



Maximum Allowable Travel Specifications

M-250 SERIES 2 M-250 SERIES 3

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
Fixed Jib No. 140

Jobsite Travel

1. Machine Travel With Load

- A. Travel with crane upperworks inline with crawlers and travel drive to rear. Grade in any direction must not exceed 1 percent (0.5 degrees).
- B. 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. Travel slowly and smoothly to avoid shock loading boom, luffing jib, fixed jib and rigging.

2. Machine Travel Without Load

- A. For travel on uphill grade, set boom to 75 degree angle (± 1 degree) and set luffing jib at 35 to 50 degrees above horizontal. See tables on page 2 for uphill travel without load on various grades. Readjust boom angle to desired grade.
- B. For travel on downhill grade, set boom to 75 degree angle (± 1 degree) and set luffing jib at 50 to 60 degrees above horizontal. See tables on page 2 for downhill travel without load on various grades. Readjust boom angle to desired grade. **Warning:** Downhill travel prohibited for boom and luffing jib lengths not shown in tables on page 2.
- C. Machine to travel on a firm and uniformly supporting surface. See table below for grade vs. angle and boom angle setting. When traveling on **uphill grade, lower boom** the corresponding degrees for grade to be traveled. When traveling on **downhill grade, raise boom** the corresponding degrees for grade to be traveled. Side-to-side grade must not exceed 1 percent (0.5 degrees).

Percent Grade Vs. Angle In Degrees and Boom Angle Setting			
Percent Grade	Angle	Uphill Boom Angle	Downhill Boom Angle
1	0.5°	74.5°	75.5°
3	1.7°	73.3°	76.7°
6	3.4°	71.6°	78.4°
9	5.1°	69.9°	80.1°
12	6.8°	68.2°	81.8°
15	8.5°	66.5°	83.5°

- D. Load blocks and/or hook and weight ball may be suspended below lower boom point, luffing jib point and fixed jib point. Total suspended weight beneath boom point must not exceed 10,000 Lbs. (4 540 kg) on 180 Ft. (54.9m) and 190 Ft. (57.9m) boom lengths or 5,000 Lbs. (2 270 kg) on 200 Ft. (61.0m) boom length. Total suspended weight beneath luffing jib point must not exceed 5,000 Lbs. (2 270 kg). Total suspended weight beneath fixed jib point must not exceed 2,000 Lbs. (910 kg).
- E. Travel with crane upperworks inline with crawlers and travel drive to rear. Maintain 1 percent grade (0.5 degrees) at boom hinge pins when cutting (steering on grade). Return to inline position for continuation of travel.
- F. Tables on page 2 include all fixed jib lengths.



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Machine Travel Without Load M-250 Series 2 Boom Facing Uphill (including all fixed jib lengths) 207,000 Lb. (93 890 kg) Crane Counterweight 60,000 Lb. (27 220 kg) Carbody Counterweight			
1 – 15% Grade 74.5° – 66.5° Boom Angle			
Maximum Boom Length		Maximum Luffing Jib Length	
Ft.	Meters	Ft.	Meters
190	57.9	200	61.0
200	61.0	170	51.8

Machine Travel Without Load M-250 Series 3 Boom Facing Uphill (including all fixed jib lengths) 248,700 Lb. (112 810 kg) Crane Counterweight 120,000 Lb. (54 430 kg) Carbody Counterweight			
1 – 15% Grade 74.5° – 66.5° Boom Angle			
Maximum Boom Length		Maximum Luffing Jib Length	
Ft.	Meters	Ft.	Meters
190	57.9	200	61.0
200	61.0	170	51.8

Machine Travel Without Load – M-250 Series 2 Boom Facing Downhill (including all fixed jib lengths) 207,000 Lb. (93 890 kg) Crane Counterweight 60,000 Lb. (27 220 kg) Carbody Counterweight											
15% Grade 83.5° Boom Angle				9 - 12% Grade 80.1 - 81.8° Boom Angle				1 – 6% Grade 75.5°–78.4° Boom Angle			
Maximum Boom Length		Maximum Luffing Jib Length		Maximum Boom Length		Maximum Luffing Jib Length		Maximum Boom Length		Maximum Luffing Jib Length	
Ft.	Meters	Ft.	Meters	Ft.	Meters	Ft.	Meters	Ft.	Meters	Ft.	Meters
180	54.9	160	48.8	180	54.9	170	51.8	180	54.9	180	54.9
				190	57.9	170	51.8	190	57.9	170	51.8
				200	61.0	160	48.8	200	61.0	170	51.8

Machine Travel Without Load – M-250 Series 3 Boom Facing Downhill (including all fixed jib lengths) 248,700 Lb. (112 810 kg) Crane Counterweight 120,000 Lb. (54 430 kg) Carbody Counterweight											
15% Grade 83.5° Boom Angle				9 - 12% Grade 80.1 - 81.8° Boom Angle				1 – 6% Grade 75.5°–78.4° Boom Angle			
Maximum Boom Length		Maximum Luffing Jib Length		Maximum Boom Length		Maximum Luffing Jib Length		Maximum Boom Length		Maximum Luffing Jib Length	
Ft.	Meters	Ft.	Meters	Ft.	Meters	Ft.	Meters	Ft.	Meters	Ft.	Meters
180	54.9	180	54.9	180	54.9	200	61.0	190	57.9	200	61.0
190	57.9	170	51.8	190	57.9	190	57.9	200	61.0	170	51.8
200	61.0	170	51.8	200	61.0	170	51.8				