

Maximum Allowable Travel Specifications

MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
Fixed Jib No. 140
225,000 Lb. (102 060 kg) Hanging Counterweight

Jobsite Travel

1. Machine Swing and Travel With Load

- A. Travel with crane upperworks in-line with crawlers. 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.
- C. Refer to operators manual for maximum wind speed for various boom, luffing jib and fixed jib lengths.
- D. Minimum capacity to raise hanging counterweight free of ground support is required for swing and travel. Machine can swing and travel in normal manner with load between minimum and rated capacity.
- E. Do not allow hanging counterweight to contact ground while swinging and traveling.

2. Machine Swing and Travel Without Load

- A. Load blocks and/or hook and weight balls may be suspended beneath boom point, luffing jib and fixed jib points. Total combined suspended weight beneath boom point must not exceed 11,000 Lbs. (4 990 kg). Total suspended weight beneath luffing jib point must not exceed 8,000 Lbs. (3 630 kg). Total suspended weight beneath fixed jib point must not exceed 2,000 Lbs. (910 kg).
- B. Suspend load blocks below boom, luffing jib and fixed jib point or tie off to machine rotating bed.
- C. Travel with crane upperworks in-line with crawlers. Maintain 1 percent (0.5 degrees) grade at boom hinge pins when cutting (steering on grade). Return to in-line position for continuation of travel.
- D. Machine to swing and travel without load on a firm and uniformly supporting surface. Grade in direction of travel should not exceed 5 percent (3 degrees); side-to-side grade must not exceed 1 percent (0.5 degrees). With machine on level ground, adjust boom angle to 70 degrees and luffing jib angle to range shown in appropriate table. Boom and luffing jib angle are angles between horizontal and boom/luffing jib centerline. Travel may be limited depending upon ground conditions. **Warning:** Downhill travel prohibited for luffing jib lengths not shown in tables.
- E. Rate of change in grade must not exceed 5 percent (3 degrees) in 50 Ft. (15.2m).
- F. Refer to operators manual for maximum wind speed for various boom and luffing jib lengths.
- G. Hanging counterweight must be clear of ground before swinging or traveling machine. Do not allow hanging counterweight to contact ground.



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Machine Swing and Travel Without Load Boom Facing Downhill Boom Angle Set at 70 Degrees						
Boom Length		Luffing Jib No. 133 or No. 133A		Fixed Jib No. 140		Luffing Jib Angle Range In Degrees
Feet	Meters	Feet	Meters	Feet	Meters	
260	79.2	160 - 200	48.8 - 61.0	40 - 120	12.2 - 36.6	35 - 50
280	85.3	160 - 200	48.8 - 61.0	40 - 120	12.2 - 36.6	35 - 50
300	91.4	160 - 200	48.8 - 61.0	40 - 120	12.2 - 36.6	35 - 50

Machine Swing and Travel Without Load Boom Facing Uphill Boom Angle Set at 70 Degrees						
Boom Length		Luffing Jib No. 133 or No. 133A		Fixed Jib No. 140		Luffing Jib Angle Range In Degrees
Feet	Meters	Feet	Meters	Feet	Meters	
260	79.2	200	48.8 - 61.0	40 - 120	12.2 - 36.6	35 - 45
280	85.3	180 - 200	48.8 - 61.0	40 - 120	12.2 - 36.6	35 - 45
300	91.4	160 - 200	48.8 - 61.0	40 - 120	12.2 - 36.6	35 - 45