

# Maximum Allowable Travel Specifications

**2250 or M-250  
With Mast - 130 Ft. (39.6m)**

**Boom No. 49A-44 With Heavy Lift Top  
Jib No. 132 With 20 Ft. (6 096 mm) Strut  
169,200 Lb. (76 750 kg) [2250] Crane Counterweight  
or 167,000 Lb. (75 750 kg) [M-250] Crane Counterweight  
60,000 Lb. (27 220 kg) Carbody Counterweight  
0 Lb. (0 kg) Wheeled or Hanging Counterweight**

## A. Jobsite Travel

### 1. MACHINE 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, jib and rigging.
- c. Refer to operators manual for maximum wind speed for various boom and jib lengths.

### 2. MACHINE TRAVEL WITHOUT LOAD

- a. Load blocks and/or hook and weight balls may be suspended beneath lower boom point, upper boom point and jib point. Total combined suspended weight beneath lower and upper boom points must not exceed 11,000 Lbs. (4 990 kg). Total suspended weight beneath jib point must not exceed 5,500 Lbs. (2 490 kg).
- b. 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.
- c. Machine to travel on a firm and uniformly supporting surface. Grade in direction of travel should not exceed 20 percent (11.3 degrees); side-to-side grade must not exceed 1 percent (0.5 degrees) measured at boom hinge pins. See tables on page 2 and 3 for boom angle and position for various grades. Adjust boom within boom angle range shown in tables on page 2 and 3 with machine in a level position. Travel may be limited depending upon ground conditions.
- d. Jib lengths shown in tables on page 2 and 3 include all offset angles.
- e. Refer to operators manual for maximum wind speed with various boom and jib lengths.



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Machine Travel Without Load - Boom Facing Downhill						
Boom Length		Boom Angle Range In Degrees				
		Percent Grade				
Feet	Meters	0%	5%	10%	15%	20%
140	42.7	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72
160	48.8	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72
180	54.9	30 - 72	30 - 72	30 - 72	30 - 72	35 - 72
200	61.0	30 - 72	30 - 72	30 - 72	40 - 72	47 - 72
220	67.1	30 - 72	34 - 72	40 - 72	48 - 72	56 - 72
240	73.2	35 - 72	42 - 72	48 - 72	55 - 72	60 - 72
260	79.2	42 - 72	48 - 72	53 - 72	60 - 72	65 - 72
280	85.3	48 - 72	52 - 72	58 - 72	63 - 72	69 - 72
300	91.4	51 - 72	56 - 72	61 - 72	67 - 72	*
Boom + Jib Length		Boom Angle Range In Degrees				
		Percent Grade				
Feet	Meters	0%	5%	10%	15%	20%
220 + 40	67.1 + 12.2	44 - 72	49 - 72	55 - 72	61 - 72	66 - 72
220 + 60	67.1 + 18.3	47 - 72	50 - 72	56 - 72	63 - 72	68 - 72
220 + 80	67.1 + 24.4	47 - 72	53 - 72	58 - 72	64 - 72	69 - 72
220 + 100	67.1 + 30.5	49 - 72	54 - 72	60 - 72	65 - 72	71 - 72
220 + 120	67.1 + 36.6	51 - 72	56 - 72	62 - 72	67 - 72	*
240 + 40	73.2 + 12.2	48 - 72	54 - 72	59 - 72	64 - 72	*
240 + 60	73.2 + 18.3	50 - 72	55 - 72	60 - 72	66 - 72	*
240 + 80	73.2 + 24.4	52 - 72	57 - 72	62 - 72	67 - 72	*
240 + 100	73.2 + 30.5	53 - 72	58 - 72	64 - 72	69 - 72	*
240 + 120	73.2 + 36.6	55 - 72	59 - 72	65 - 72	70 - 72	*
260 + 40	79.2 + 12.2	53 - 72	58 - 72	63 - 72	68 - 72	*
260 + 60	79.2 + 18.3	54 - 72	59 - 72	64 - 72	70 - 72	*
260 + 80	79.2 + 24.4	55 - 72	61 - 72	66 - 72	71 - 72	*
260 + 100	79.2 + 30.5	57 - 72	62 - 72	67 - 72	*	*
260 + 120	79.2 + 36.6	58 - 72	63 - 72	68 - 72	*	*
280 + 40	85.3 + 12.2	56 - 72	62 - 72	67 - 72	70 - 72	*
280 + 60	85.3 + 18.3	57 - 72	62 - 72	67 - 72	*	*

\* Boom must face uphill



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Machine Travel Without Load - Boom Facing Uphill						
Boom Length		Boom Angle Range In Degrees				
		Percent Grade				
Feet	Meters	0%	5%	10%	15%	20%
140	42.7	30 - 72	30 - 69	30 - 63	30 - 54	30 - 42
160	48.8	30 - 72	30 - 69	30 - 66	30 - 59	30 - 50
180	54.9	30 - 72	30 - 69	30 - 66	30 - 63	30 - 57
200	61.0	30 - 72	30 - 69	30 - 66	30 - 63	30 - 59
220	67.1	30 - 72	30 - 69	30 - 66	30 - 63	30 - 60
240	73.2	35 - 72	35 - 69	35 - 66	35 - 63	35 - 60
260	79.2	42 - 72	42 - 69	42 - 66	42 - 63	42 - 60
280	85.3	48 - 72	48 - 69	48 - 66	48 - 63	48 - 60
300	91.4	51 - 72	51 - 69	51 - 66	51 - 63	51 - 60
Boom + Jib Length		Boom Angle Range In Degrees				
		Percent Grade				
Feet	Meters	0%	5%	10%	15%	20%
220 + 40	67.1 + 12.2	44 - 72	44 - 69	44 - 66	44 - 63	44 - 60
220 + 60	67.1 + 18.3	47 - 72	47 - 69	47 - 66	47 - 63	47 - 60
220 + 80	67.1 + 24.4	47 - 72	47 - 69	47 - 66	47 - 63	47 - 60
220 + 100	67.1 + 30.5	49 - 72	49 - 69	49 - 66	49 - 63	49 - 60
220 + 120	67.1 + 36.6	51 - 72	51 - 69	51 - 66	51 - 63	51 - 60
240 + 40	73.2 + 12.2	48 - 72	48 - 69	48 - 66	48 - 63	48 - 60
240 + 60	73.2 + 18.3	50 - 72	50 - 69	50 - 66	50 - 63	50 - 60
240 + 80	73.2 + 24.4	52 - 72	52 - 69	52 - 66	52 - 63	52 - 60
240 + 100	73.2 + 30.5	53 - 72	53 - 69	53 - 66	53 - 63	53 - 60
240 + 120	73.2 + 36.6	55 - 72	55 - 69	55 - 66	55 - 63	55 - 60
260 + 40	79.2 + 12.2	53 - 72	53 - 69	53 - 66	53 - 63	53 - 60
260 + 60	79.2 + 18.3	54 - 72	54 - 69	54 - 66	54 - 63	54 - 60
260 + 80	79.2 + 24.4	55 - 72	55 - 69	55 - 66	55 - 63	55 - 60
260 + 100	79.2 + 30.5	57 - 72	57 - 69	57 - 66	57 - 63	57 - 60
260 + 120	79.2 + 36.6	58 - 72	58 - 69	58 - 66	58 - 63	58 - 60
280 + 40	85.3 + 12.2	56 - 72	56 - 69	56 - 66	56 - 63	56 - 60
280 + 60	85.3 + 18.3	57 - 72	57 - 69	57 - 66	57 - 63	57 - 60