



Swing and Travel Specifications

MAX-ER 225 On 2250 or M-250

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
55,000 Lb. (24 950 kg) Thru 225,000 Lb. (102 060 kg)
Hanging Counterweight

A. Jobsite Travel

1. MACHINE SWING AND TRAVEL WITHOUT LOAD

- a. Grade in direction of travel should not exceed 5 percent (3 degrees); side-to-side grade must not exceed 1 percent (0.5 degrees).
- b. Travel surface must be firm, level and uniformly supporting. Adjust boom within boom angle range shown in table with machine in a level position. Travel may be limited depending upon ground conditions.
- c. Boom angles listed permit hanging counterweight to be free of ground support to allow machine to swing and travel. Do not allow hanging counterweight to contact ground while swinging or traveling. Where no angle is shown, operation is not intended or approved.
- d. 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).
- e. Jib lengths shown in table include all offset angles.
- f. Refer to Maximum Allowable Travel Specification chart **No. 7710-A** for travel without load with 0 Lb. (0 kg) hanging counterweight.

Machine Swing and Travel Without Load						
Boom Length		Boom Angle Range In Degrees				
		55,000 Lb. (24 950 kg) Hanging Counterweight	95,000 Lb. (43 090 kg) Hanging Counterweight	135,000 Lb. (61 230 kg) Hanging Counterweight	175,000 Lb. (79 380 kg) Hanging Counterweight	225,000 Lb. (102 060 kg) Hanging Counterweight
Feet	Meters					
140	42.7	25 - 40	---	---	---	---
160	48.8	25 - 45	---	---	---	---
180	54.9	25 - 55	25 - 40	---	---	---
200	61.0	25 - 60	25 - 45	25 - 35	---	---
220	67.1	25 - 60	25 - 50	25 - 40	25 - 30	---
240	73.2	25 - 65	25 - 55	25 - 45	25 - 35	---
260	79.2	35 - 65	25 - 60	25 - 50	25 - 40	25 - 30
280	85.3	40 - 70	30 - 60	25 - 55	25 - 45	25 - 35
300	91.4	45 - 70	35 - 65	30 - 55	25 - 50	25 - 40
320	97.5	50 - 70	45 - 65	40 - 60	30 - 55	30 - 45
340	103.6	55 - 70	50 - 65	45 - 60	40 - 55	40 - 50



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Machine Swing and Travel Without Load						
Boom + Jib Length		Boom Angle Range In Degrees				
		55,000 Lb. (24 950 kg) Hanging Counterweight	95,000 Lb. (43 090 kg) Hanging Counterweight	135,000 Lb. (61 230 kg) Hanging Counterweight	175,000 Lb. (79 380 kg) Hanging Counterweight	225,000 Lb. (102 060 kg) Hanging Counterweight
Feet	Meters					
220 + 40	67.1 + 12.2	45 - 65	45 - 55	---	---	---
220 + 60	67.1 + 18.3	50 - 65	50 - 55	---	---	---
220 + 80	67.1 + 24.4	50 - 65	50 - 60	---	---	---
220 + 100	67.1 + 30.5	50 - 65	50 - 60	---	---	---
220 + 120	67.1 + 36.6	50 - 70	50 - 60	50 - 55	---	---
240 + 40	73.2 + 12.2	45 - 65	45 - 60	45 - 50	---	---
240 + 60	73.2 + 18.3	50 - 65	50 - 60	50 - 55	---	---
240 + 80	73.2 + 24.4	50 - 70	50 - 60	50 - 55	---	---
240 + 100	73.2 + 30.5	50 - 70	50 - 60	50 - 55	---	---
240 + 120	73.2 + 36.6	50 - 70	50 - 65	50 - 55	---	---
260 + 40	79.2 + 12.2	45 - 70	45 - 60	45 - 55	---	---
260 + 60	79.2 + 18.3	50 - 70	50 - 65	50 - 55	---	---
260 + 80	79.2 + 24.4	50 - 70	50 - 65	50 - 55	---	---
260 + 100	79.2 + 30.5	50 - 70	50 - 65	50 - 60	---	---
260 + 120	79.2 + 36.6	55 - 70	50 - 65	50 - 60	---	---
280 + 40	85.3 + 12.2	55 - 70	45 - 65	45 - 60	---	---
280 + 60	85.3 + 18.3	55 - 70	50 - 65	50 - 60	---	---
280 + 80	85.3 + 24.4	55 - 70	50 - 65	50 - 60	50 - 55	---
280 + 100	85.3 + 30.5	55 - 70	50 - 65	50 - 60	50 - 55	---
280 + 120	85.3 + 36.6	60 - 72	55 - 65	50 - 60	50 - 55	---
300 + 40	91.4 + 12.2	55 - 70	50 - 65	50 - 60	50 - 55	---
300 + 60	91.4 + 18.3	60 - 72	55 - 65	50 - 60	50 - 55	---
300 + 80	91.4 + 24.4	60 - 72	55 - 65	50 - 60	50 - 55	---
300 + 100	91.4 + 30.5	60 - 72	55 - 65	50 - 60	50 - 55	---
300 + 120	91.4 + 36.6	---	55 - 70	50 - 65	50 - 60	---
320 + 40	97.5 + 12.2	60 - 72	55 - 65	50 - 60	45 - 60	---
320 + 60	97.5 + 18.3	---	60 - 65	50 - 65	50 - 60	---
320 + 80	97.5 + 24.4	---	60 - 70	50 - 65	50 - 60	50 - 55
320 + 100	97.5 + 30.5	---	60 - 70	55 - 65	50 - 60	50 - 55
320 + 120	97.5 + 36.6	---	---	55 - 65	50 - 60	50 - 55
340 + 40	103.6 + 12.2	---	60 - 70	55 - 65	50 - 60	45 - 55
340 + 60	103.6 + 18.3	---	---	55 - 65	50 - 60	50 - 55
340 + 80	103.6 + 24.4	---	---	55 - 65	55 - 60	50 - 55
340 + 100	103.6 + 30.5	---	---	---	55 - 60	50 - 55
340 + 120	103.6 + 36.6	---	---	---	55 - 60	50 - 55