



Maximum Allowable Travel Specifications

2250 SERIES 2 2250 SERIES 3

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

Jobsite Travel

2250 SERIES 2 must be equipped with 209,200 Lb. (94 890 kg) crane counterweight and 60,000 Lb. (27 220 kg) carbody counterweight; and 2250 SERIES 3 must be equipped with 249,200 Lb. (113 040 kg) crane counterweight and 120,000 Lb. (54 430 kg) carbody counterweight. Refer to Operator's Manual for maximum wind speed for various boom, luffing jib and fixed jib lengths. Refer to luffing jib raising procedure for maximum boom and luffing jib lengths lifted unassisted.

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. 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, position boom to 75 degree angle (plus or minus 1 degree) and position luffing jib at 35 to 50 degrees above horizontal. Refer to tables on page 2 for uphill travel without load on various grades. Readjust boom angle to desired grade.
- B. For travel on downhill grade, position boom to 75 degree angle (plus or minus 1 degree) and position luffing jib at 50 to 60 degrees above horizontal. Refer to 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. Load blocks and/or hook and weight balls may be suspended below lower boom point, luffing jib point and fixed jib point or tied off to machine. 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).
- D. Machine to travel on a firm and uniformly supporting surface. Refer to 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). Tables on page 2 include all fixed jib lengths.

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°

- E. Travel with crane upperworks inline with crawlers and travel drive to rear. Travel allowed with 360 degree swing up to 1 percent (0.5 degrees) grade. Do not exceed 1 percent (0.5 degrees) side-to-side grade at boom hinge pins when cutting (turning on grade). Return to in-line position for continuation of travel.



Maximum Allowable Travel Specifications

2250 SERIES 2 2250 SERIES 3

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

Machine Travel Without Load 2250 Series 2 Boom Facing Uphill (including all fixed jib lengths) 209,200 Lb. (94 890 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
200	61.0	200	61.0

Machine Travel Without Load 2250 Series 3 Boom Facing Uphill (including all fixed jib lengths) 249,200 Lb. (113 040 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
200	61.0	200	61.0

Machine Travel Without Load – 2250 Series 2 Boom Facing Downhill (including all fixed jib lengths) 209,000 Lb. (94 890 kg) Crane Counterweight 60,000 Lb. (27 220 kg) Carbody Counterweight											
9% Grade 80.1° Boom Angle				6% Grade 78.4° Boom Angle				1 – 3% Grade 75.5° – 76.7° 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 – 2250 Series 3 Boom Facing Downhill (including all fixed jib lengths) 249,200 Lb. (113 040 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	200	61.0
200	61.0	170	51.8	200	61.0	190	57.9				