

# Maximum Allowable Travel Specifications

## 2250 SERIES 1, 2, 3

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

### Jobsite Travel

2250 SERIES 1 must be equipped with 169,200 Lb. (76 750 kg) counterweight; 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 and luffing 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 ½ in. in 10 Ft. (13 mm in 3 m).
- 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 and rigging.

#### 2. Machine Travel Without Load

- A. Position **boom to 75 degree** boom angle (plus or minus 1 degree) and position **luffing jib at 35 to 50 degrees** above horizontal. Grade in direction of travel should not exceed 15 percent (8.5 degrees).
- B. Load block may be suspended beneath luffing jib point or tied off to machine rotating bed.
- C. Machine to travel on a firm and uniformly supporting surface. Travel allowed with 360 degree swing up to 1 percent (0.5 degrees) grade; crane upperworks must be in-line with crawlers and grade when grade exceeds 1 percent. Side-to-side grade must not exceed 1 percent (0.5 degrees) measured at boom hinge pins.
- D. Refer to table below for grade vs. angle when traveling. 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.
- E. Travel with crane upperworks in-line with crawlers and travel drive to rear. 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.

Percent Grade vs. Angle In Degrees	
% Grade	Angle
1	0.5
3	1.7
6	3.4
9	5.1
12	6.8
15	8.5