Maximum Allowable Travel Specifications

MAX-ER 2000 On 2250

Fixed Jib No. 140 Set At 5 Degree Offset Angle On Luffing Jib No. 133 or 133A On Boom No. 79-44 With 130 Ft. (39.6m) Mast No. 44 Wheeled Counterweight

Jobsite Travel

2250 With MAX-ER 2000 must be equipped with 169,200 Lb. (76 750 kg) crane counterweight and 60,000 Lb. (27 220 kg) carbody counterweight; and 240,000 Lb. (108 860 kg) or 462,000 Lb. (209 560 kg) wheeled 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 and Wheeled Counterweight**

   A. Grade in any direction must not exceed 1 percent (0.5 degrees). *Travel with 100 percent of rated load prohibited.* Travel restricted to 90 percent of rated capacity with speed not to exceed 0,4 m/s.

   B. ***Warning:*** For travel with crane upperworks in-line to crawlers, swing brake and swing lock must be free (released).

   For travel with crane upperworks 90 degrees to crawlers, wheeled counterweight **must be in the air,** free of ground support. Swing brake and swing lock must be free (released).

   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.

   D. Machine can swing and travel in normal manner when wheeled counterweight assembly is free of ground support or removed.

   E. Counterweight wheels must be properly positioned before swinging or traveling machine when wheeled counterweight is contacting ground. Refer to Operator's Manual for instructions.

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2. Machine Travel Without Load and With Wheeled Counterweight

A. Position boom to 80 degree boom angle (plus or minus 1 degree) and position luffing jib at 40 to 50 degrees above horizontal. Grade in direction of travel must not exceed 5 percent (3.0 degrees).

B. Load blocks and/or hook and weight balls may be suspended beneath luffing jib and fixed jib points or tied off to machine. Total combined suspended weight beneath luffing jib and fixed jib points must not exceed 10,000 Lb. (4 540 kg).

C. **Travel with crane upperworks in-line to crawlers.** Do not exceed 1 percent (0.5 degrees) side-to-side grade measured at boom hinge pins when cutting (steering on grade).

D. ***Warning:*** Swing brake and swing lock must be free (released).

E. Machine to travel on a firm and uniformly supporting surface. Travel may be limited depending upon ground conditions.

F. For crane upperworks in-line to crawlers, grade in direction of travel must not exceed 5 percent (3.0 degrees). Refer to table below for grade vs. angle. 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) measured at boom hinge pins.

G. ***Warning:*** Change in grade must not exceed 2 percent (1.1 degrees) in 50 Ft. (15.2m).

H. Counterweight wheels must be properly positioned before swinging or traveling machine when wheeled counterweight is contacting ground. Refer to Operator's Manual for instructions.

Percent Grade vs. Angle In Degrees	
Percent Grade	Angle
1	0.5
3	1.7
5	3.0

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