

Maximum Allowable Travel Specifications

555 SERIES 2

Boom No. 84
Luffing Jib No. 155
Fixed Jib No. 138A

Jobsite Travel

1. Machine Travel With Load

- A. Travel with crane upperworks inline with crawlers and travel motors to rear. Grade in any direction must not exceed 1/2 percent (0.25 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, luffing jib, fixed jib and rigging.

2. Machine Travel Without Load

- A. Set boom to 83 degree angle (± 1 degree) and set luffing jib at 40 to 50 degrees above horizontal.
- B. Machine to travel on a firm and uniformly supporting surface. Grade in direction of travel should not exceed 5 percent (2.9 degrees). See 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).

Percent Grade Vs. Angle In Degrees and Boom Angle Setting			
Percent Grade	Angle	Uphill Boom Angle	Downhill Boom Angle
1	0.5°	82.5°	83.5°
3	1.7°	81.3°	84.7°
5	2.9°	80.1°	85.9°

- C. Load block and/or hook and weight ball may be suspended below luffing jib point and fixed jib point. Total suspended weight beneath luffing jib point must not exceed 2,800 Lbs. (1 270 kg). Total suspended weight beneath fixed jib point must not exceed 1,310 Lbs. (590 kg).
- D. Travel with crane upperworks inline with crawlers and travel motors to rear. Maintain 1 percent grade (0.5 degrees) at boom hinge pins when cutting (steering on grade). Return to inline position for continuation of travel.