

Maximum Allowable Travel Specifications

European
 Standards

555 SERIES 2

Boom No. 84 - Luffing Jib No. 155

A. Jobsite Travel

1. MACHINE TRAVEL WITH LOAD

- a. Machine to travel on firm, level, and uniformly supporting surface with boom and luffing jib within angle range shown in capacity chart. Grade in any direction must not exceed 1/2 percent (0.25 degrees). Travel with 100 percent rated load prohibited. Travel restricted to 90 percent of rated capacity with speed not to exceed 0.4 m/s.
- 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.
- c. Refer to operators manual for maximum wind speed for various boom and luffing jib combinations.

2. MACHINE TRAVEL WITHOUT LOAD

- a. Set boom to approximately 80 degree boom angle (plus or minus 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 9 percent (5.1 degrees). See 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).
- c. Load block suspended below luffing jib point or tied off to machine rotating bed. Total suspended weight beneath luffing jib point must not exceed 3,500 Lbs. (1 590 kg).
- d. Travel with crane upperworks in-line with crawlers and travel motors to rear. Maintain one percent grade at boom hinge pins when cutting (steering on grade). Return to in-line position for continuation of travel.
- e. Refer to capacity chart for maximum wind speed for various boom and luffing jib combinations.

Percent Grade Vs. Angle In Degrees and Boom Angle Setting			
Percent Grade	Angle	Uphill Boom Angle	Downhill Boom Angle
1	0.5°	79.5°	80.5°
3	1.7°	78.3°	81.7°
6	3.4°	76.6°	83.4°
9	5.1°	74.9°	85.1°