

Maximum Allowable Travel Specifications

222 SERIES B 222EX SERIES B

Boom No. 260 - Luffing Jib No. 222

A. Jobsite Travel

1. MACHINE TRAVEL WITH LOAD

- 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 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.
- Refer to operators manual for maximum wind speed for various boom and luffing jib combinations.

2. MACHINE TRAVEL WITHOUT LOAD

- Set boom to approximately 80 degree boom angle (plus or minus 1 degree) and set luffing jib at 45 to 50 degrees above horizontal.
- 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).
- Load block suspended below luffing jib point or tied off to machine rotating bed. Total suspended weight beneath luffing jib point must not exceed 2,000 Lbs. (910 kg).
- 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.
- Refer to operators manual 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°

Machine Travel Without Load Boom Facing Uphill			
1% - 9% Grade — 79.5° - 74.9° Boom Angle			
Maximum Boom Length		Maximum Luffing Jib Length	
Feet	Meters	Feet	Meters
95	29.0	150	45.7
105	32.0	140	42.7
115	35.1	140	42.7
125	38.1	130	39.6
135	41.1	100	30.5
145	44.2	60	18.3

Machine Travel Without Load Boom Facing Downhill			
1% - 9% Grade — 80.5° - 85.1° Boom Angle			
Maximum Boom Length		Maximum Luffing Jib Length	
Feet	Meters	Feet	Meters
115	35.1	150	45.7
125	38.1	140	42.7
135	41.1	100	30.5
145	44.2	60	18.3

Warning: Travel prohibited for lengths not shown.
Crane could tip.