

Maximum Allowable Travel Specifications

Boom No. 79 With 130 Ft. (39.6m) Mast No. 44

2250

With Mast - 130 Ft.

Jobsite Travel

2250 must be equipped with 209,200 Lb. (94 890 kg) crane counterweight and 120,000 Lb. (54 430 kg) carbody counterweight. Refer to Operator's Manual for maximum wind speed for various boom lengths and capacity charts for maximum boom 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 1 percent (0.5 degrees).
- 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 and rigging.

2. Machine Travel Without Load

- A. Load blocks and/or hook and weight balls may be suspended beneath lower boom point and upper boom point or tied off to machine. Total combined suspended weight beneath lower and upper boom points must not exceed 18,000 Lb. (8 160 kg).
- B. Machine to travel on a firm and uniformly supporting surface, with crane upperworks in-line with crawlers and travel drive to rear. 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. Grade in direction of travel should not exceed 8 percent (4.5 degrees); side-to-side grade must not exceed 2 percent (1.1 degrees) measured at boom hinge pins.
- C. Refer to tables on page 2 for boom angle, boom length and direction for various grades. Adjust boom within boom angle range shown in table, with machine in a level position before traveling onto grade. Do not change boom angle after crane has been traveled onto grade. Boom angle is angle between horizontal and centerline of boom butt and inserts. Refer to table below for grade vs. angle when traveling.
- D. Do not exceed 2 percent (1.1 degrees) side-to-side grade at boom hinge pins when cutting (turning on grade).
- E. **Warning:** Travel prohibited for boom lengths not shown in tables on page 2. *Crane could tip.*

Percent Grade vs. Angle In Degrees	
Percent Grade	Angle
1	0.5
3	1.7
5	3.0
8	4.5



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Machine Travel Without Load Boom Facing Downhill		
Boom Angle Range in Degrees	Boom Length	
	Feet	Meters
0 - 1% Grade		
30 - 72	120 - 180	36.6 - 54.9
50 - 72	200 - 220	61.0 - 67.1
60 - 72	240	73.2
2 - 5% Grade		
30 - 72	120 - 160	36.6 - 48.8
40 - 72	180	54.9
50 - 72	200	61.0
60 - 72	220 - 240	67.1 - 73.2
6 - 8% Grade		
30 - 72	120 - 160	36.6 - 48.8
50 - 72	180 - 200	54.9 - 61.0
60 - 72	220	67.1

Machine Travel Without Load Boom Facing Uphill		
Boom Angle Range in Degrees	Boom Length	
	Feet	Meters
0 - 1% Grade		
30 - 72	120 - 180	36.6 - 54.9
40 - 72	200 - 220	61.0 - 67.1
60 - 72	240	73.2
2 - 5% Grade		
30 - 72	120 - 180	36.6 - 54.9
40 - 72	200	61.0
50 - 72	220 - 240	67.1 - 73.2
6 - 8% Grade		
30 - 72	120 - 180	36.6 - 54.9
40 - 72	200	61.0
50 - 72	220 - 240	67.1 - 73.2

REFERENCE ONLY!