



Maximum Allowable Travel Specifications

777 SERIES 1
777 SERIES 2

Boom No. 78
Jib No. 134 With 12 Ft. 6 in. (3 810 mm) Strut

Jobsite Travel

777 SERIES 1 must be equipped with 105,000 lb (47 630 kg) crane counterweight and 0 lb (0 kg) carbody counterweight; 777 SERIES 2 must be equipped with 142,000 lb (64 410 kg) crane counterweight and 44,000 lb (19 960 kg) carbody counterweight. Refer to Operator's Manual for maximum wind speed for various boom and jib lengths and capacity charts for maximum boom and jib 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, jib and rigging.

2. Machine Travel Without Load

- A. Load blocks and/or hook and weight balls may be suspended beneath lower and upper boom points and jib point, or tied off to machine. Total combined suspended weight beneath lower and upper boom points must not exceed 7,000 lb (3 180 kg). Total suspended weight beneath jib point must not exceed 2,000 lb (910 kg).
- B. Machine to travel on a firm and uniformly supporting surface. 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 30 percent (16.7 degrees); side-to-side grade must not exceed 2 percent (1.1 degrees) measured at boom hinge pins.
- C. Refer to tables on pages 2 thru 13 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. Boom Lengths shown in tables on pages 2, 3, 8 and 9 do not include jib. Boom lengths shown in tables on pages 4 thru 7 and 10 thru 13 include all jib lengths and offset angles.
- F. **Warning:** Travel prohibited for boom angle range not shown in tables on pages 2 thru 13. *Crane could tip.*

Percent Grade Vs. Angle In Degrees	
Percent Grade	Angle
5	2.8
10	5.7
15	8.5
20	11.3
25	14.0
30	16.7



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Machine Travel Without Load - Boom Facing Downhill - 777 SERIES 1								
105,000 Lb. (47 630 kg) Counterweight								
Boom Length		Boom Angle Range In Degrees						
		Percent Grade						
Feet	Meters	0%	5%	10%	15%	20%	25%	30%
60	18.3	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72
70	21.3	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72
80	24.4	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72
90	27.4	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72
100	30.5	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72
110	33.5	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72
120	36.6	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72	33 - 72	41 - 72
130	39.6	30 - 72	30 - 72	30 - 72	32 - 72	36 - 72	43 - 72	45 - 72
140	42.7	30 - 72	30 - 72	35 - 72	42 - 72	45 - 72	50 - 72	58 - 72
150	45.7	30 - 72	37 - 72	40 - 72	46 - 72	51 - 72	56 - 72	63 - 72
160	48.8	39 - 72	42 - 72	47 - 72	52 - 72	56 - 72	60 - 72	66 - 72
170	51.8	43 - 72	48 - 72	52 - 72	56 - 72	60 - 72	64 - 72	70 - 72
180	54.9	46 - 72	51 - 72	55 - 72	60 - 72	64 - 72	68 - 72	*
190	57.9	51 - 72	55 - 72	59 - 72	64 - 72	67 - 72	*	*
200	61.0	53 - 72	57 - 72	62 - 72	65 - 72	70 - 72	*	*
210	64.0	55 - 72	60 - 72	63 - 72	68 - 72	*	*	**
* Boom Must face Uphill								
** Travel Condition is Not Allowed								



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Machine Travel Without Load - Boom Facing Uphill - 777 SERIES 1								
105,000 Lb. (47 630 kg) Counterweight								
Boom Length		Boom Angle Range In Degrees						
		Percent Grade						
Feet	Meters	0%	5%	10%	15%	20%	25%	30%
60	18.3	30 - 72	30 - 65	30 - 56	30 - 47	30 - 40	30 - 32	*
70	21.3	30 - 72	30 - 69	30 - 61	30 - 49	30 - 43	30 - 37	*
80	24.4	30 - 72	30 - 69	30 - 65	30 - 55	30 - 51	30 - 40	30 - 34
90	27.4	30 - 72	30 - 69	30 - 66	30 - 59	30 - 56	30 - 47	30 - 43
100	30.5	30 - 72	30 - 69	30 - 66	30 - 63	30 - 56	30 - 52	30 - 45
110	33.5	30 - 72	30 - 69	30 - 66	30 - 63	30 - 59	30 - 53	30 - 50
120	36.6	30 - 72	30 - 69	30 - 66	30 - 63	30 - 60	30 - 57	30 - 51
130	39.6	30 - 72	30 - 69	30 - 66	30 - 63	30 - 60	30 - 58	30 - 54
140	42.7	30 - 72	30 - 69	30 - 66	30 - 63	30 - 60	30 - 58	30 - 55
150	45.7	30 - 72	30 - 69	30 - 66	30 - 63	30 - 60	30 - 58	30 - 55
160	48.8	39 - 72	39 - 69	39 - 66	39 - 63	39 - 60	39 - 58	39 - 55
170	51.8	43 - 72	43 - 69	43 - 66	43 - 63	43 - 60	43 - 58	43 - 55
180	54.9	46 - 72	46 - 69	46 - 66	46 - 63	46 - 60	46 - 58	46 - 55
190	57.9	51 - 72	51 - 69	51 - 66	51 - 63	51 - 60	51 - 58	51 - 55
200	61.0	53 - 72	53 - 69	53 - 66	53 - 63	53 - 60	53 - 58	53 - 55
210	64.0	55 - 72	55 - 69	55 - 66	55 - 63	55 - 60	55 - 58	**
* Boom Must Face Downhill								
** Travel Condition Is Not Allowed								



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Machine Travel Without Load - Boom Facing Downhill - 777 SERIES 1								
105,000 Lb. (47 630 kg) Counterweight								
Boom + Jib Length		Boom Angle Range In Degrees						
		Percent Grade						
Feet	Meters	0%	5%	10%	15%	20%	25%	30%
80 + 30	24.4 + 9.1	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
80 + 40	24.4 + 12.2	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
80 + 50	24.4 + 15.2	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
80 + 60	24.4 + 18.3	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
80 + 70	24.4 + 21.3	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
80 + 80	24.4 + 24.4	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
90 + 30	27.4 + 9.1	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
90 + 40	27.4 + 12.2	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
90 + 50	27.4 + 15.2	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
90 + 60	27.4 + 18.3	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
90 + 70	27.4 + 21.3	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
90 + 80	27.4 + 24.4	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
100 + 30	30.5 + 9.1	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
100 + 40	30.5 + 12.2	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
100 + 50	30.5 + 15.2	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	48 - 72
100 + 60	30.5 + 18.3	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	51 - 72
100 + 70	30.5 + 21.3	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	47 - 72	54 - 72
100 + 80	30.5 + 24.4	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	52 - 72	56 - 72
110 + 30	33.5 + 9.1	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	52 - 72	56 - 72
110 + 40	33.5 + 12.2	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	52 - 72	56 - 72
110 + 50	33.5 + 15.2	45 - 72	45 - 72	45 - 72	45 - 72	46 - 72	52 - 72	56 - 72
110 + 60	33.5 + 18.3	45 - 72	45 - 72	45 - 72	45 - 72	46 - 72	52 - 72	58 - 72
110 + 70	33.5 + 21.3	45 - 72	45 - 72	45 - 72	45 - 72	48 - 72	55 - 72	60 - 72
110 + 80	33.5 + 24.4	45 - 72	45 - 72	45 - 72	45 - 72	52 - 72	57 - 72	63 - 72
120 + 30	36.6 + 9.1	45 - 72	45 - 72	45 - 72	45 - 72	52 - 72	57 - 72	63 - 72
120 + 40	36.6 + 12.2	45 - 72	45 - 72	45 - 72	45 - 72	52 - 72	57 - 72	63 - 72
120 + 50	36.6 + 15.2	45 - 72	45 - 72	45 - 72	45 - 72	52 - 72	57 - 72	63 - 72
120 + 60	36.6 + 18.3	45 - 72	45 - 72	45 - 72	47 - 72	52 - 72	58 - 72	63 - 72
120 + 70	36.6 + 21.3	45 - 72	45 - 72	45 - 72	49 - 72	54 - 72	60 - 72	64 - 72
120 + 80	36.6 + 24.4	45 - 72	45 - 72	47 - 72	53 - 72	57 - 72	61 - 72	66 - 72
130 + 30	39.6 + 9.1	45 - 72	45 - 72	47 - 72	53 - 72	57 - 72	61 - 72	66 - 72
130 + 40	39.6 + 12.2	45 - 72	45 - 72	47 - 72	53 - 72	57 - 72	61 - 72	66 - 72
130 + 50	39.6 + 15.2	45 - 72	45 - 72	47 - 72	53 - 72	57 - 72	61 - 72	66 - 72
130 + 60	39.6 + 18.3	45 - 72	45 - 72	48 - 72	53 - 72	59 - 72	63 - 72	67 - 72
130 + 70	39.6 + 21.3	45 - 72	45 - 72	50 - 72	54 - 72	60 - 72	64 - 72	69 - 72
130 + 80	39.6 + 24.4	45 - 72	47 - 72	52 - 72	57 - 72	61 - 72	66 - 72	71 - 72
140 + 30	42.7 + 9.1	45 - 72	47 - 72	52 - 72	57 - 72	61 - 72	66 - 72	71 - 72
140 + 40	42.7 + 12.2	45 - 72	47 - 72	52 - 72	57 - 72	61 - 72	66 - 72	71 - 72
140 + 50	42.7 + 15.2	45 - 72	47 - 72	52 - 72	57 - 72	61 - 72	66 - 72	71 - 72
140 + 60	42.7 + 18.3	45 - 72	49 - 72	54 - 72	57 - 72	62 - 72	66 - 72	71 - 72
140 + 70	42.7 + 21.3	46 - 72	50 - 72	54 - 72	59 - 72	63 - 72	68 - 72	71 - 72
140 + 80	42.7 + 24.4	48 - 72	52 - 72	56 - 72	61 - 72	66 - 72	69 - 72	*
* Boom Must Face Uphill								



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105,000 Lb. (47 630 kg) Counterweight								
Boom + Jib Length		Boom Angle Range In Degrees						
		Percent Grade						
Feet	Meters	0%	5%	10%	15%	20%	25%	30%
150 + 30	45.7 + 9.1	48 - 72	52 - 72	56 - 72	61 - 72	66 - 72	69 - 72	*
150 + 40	45.7 + 12.2	48 - 72	52 - 72	56 - 72	61 - 72	66 - 72	69 - 72	*
150 + 50	45.7 + 15.2	48 - 72	52 - 72	56 - 72	61 - 72	66 - 72	69 - 72	*
150 + 60	45.7 + 18.3	48 - 72	52 - 72	57 - 72	61 - 72	66 - 72	69 - 72	*
150 + 70	45.7 + 21.3	49 - 72	54 - 72	58 - 72	62 - 72	66 - 72	71 - 72	*
150 + 80	45.7 + 24.4	50 - 72	56 - 72	59 - 72	64 - 72	68 - 72	*	*
160 + 30	48.8 + 9.1	50 - 72	56 - 72	59 - 72	64 - 72	68 - 72	*	*
160 + 40	48.8 + 12.2	50 - 72	56 - 72	59 - 72	64 - 72	68 - 72	*	*
160 + 50	48.8 + 15.2	50 - 72	56 - 72	59 - 72	64 - 72	68 - 72	*	*
160 + 60	48.8 + 18.3	52 - 72	56 - 72	60 - 72	64 - 72	69 - 72	*	*
160 + 70	48.8 + 21.3	53 - 72	57 - 72	62 - 72	65 - 72	69 - 72	*	*
160 + 80	48.8 + 24.4	54 - 72	58 - 72	62 - 72	67 - 72	71 - 72	*	*
170 + 30	51.8 + 9.1	54 - 72	58 - 72	62 - 72	67 - 72	71 - 72	*	*
170 + 40	51.8 + 12.2	54 - 72	58 - 72	62 - 72	67 - 72	71 - 72	*	*
170 + 50	51.8 + 15.2	54 - 72	58 - 72	62 - 72	67 - 72	71 - 72	*	*
170 + 60	51.8 + 18.3	54 - 72	58 - 72	63 - 72	67 - 72	71 - 72	*	*
170 + 70	51.8 + 21.3	55 - 72	60 - 72	63 - 72	67 - 72	71 - 72	*	**
170 + 80	51.8 + 24.4	56 - 72	61 - 72	65 - 72	69 - 72	*	*	**
180 + 30	54.9 + 9.1	56 - 72	61 - 72	65 - 72	69 - 72	*	*	**
180 + 40	54.9 + 12.2	56 - 72	61 - 72	65 - 72	69 - 72	*	*	**
180 + 50	54.9 + 15.2	56 - 72	61 - 72	65 - 72	69 - 72	*	*	**
180 + 60	54.9 + 18.3	58 - 72	61 - 72	65 - 72	69 - 72	*	**	**
180 + 70	54.9 + 21.3	59 - 72	62 - 72	66 - 72	70 - 72	*	**	**
180 + 80	54.9 + 24.4	59 - 72	63 - 72	67 - 72	71 - 72	*	**	**
190 + 30	57.9 + 9.1	59 - 72	63 - 72	67 - 72	71 - 72	*	**	**
190 + 40	57.9 + 12.2	59 - 72	63 - 72	67 - 72	71 - 72	*	**	**
190 + 50	57.9 + 15.2	60 - 72	63 - 72	67 - 72	71 - 72	**	**	**
* Boom Must Face Uphill								
** Travel Condition Is Not Allowed								



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105,000 Lb. (47 630 kg) Counterweight								
Boom + Jib Length		Boom Angle Range In Degrees						
		Percent Grade						
Feet	Meters	0%	5%	10%	15%	20%	25%	30%
80 + 30	24.4 + 9.1	45 - 72	45 - 69	45 - 66	45 - 63	45 - 57	45 - 50	*
80 + 40	24.4 + 12.2	45 - 72	45 - 69	45 - 66	45 - 63	45 - 59	45 - 53	45 - 46
80 + 50	24.4 + 15.2	45 - 72	45 - 69	45 - 66	45 - 63	45 - 59	45 - 54	45 - 48
80 + 60	24.4 + 18.3	45 - 72	45 - 69	45 - 66	45 - 63	45 - 59	45 - 54	45 - 48
80 + 70	24.4 + 21.3	45 - 72	45 - 69	45 - 66	45 - 63	45 - 59	45 - 54	45 - 48
80 + 80	24.4 + 24.4	45 - 72	45 - 69	45 - 66	45 - 63	45 - 59	45 - 54	45 - 48
90 + 30	27.4 + 9.1	45 - 72	45 - 69	45 - 66	45 - 63	45 - 59	45 - 54	45 - 49
90 + 40	27.4 + 12.2	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 56	45 - 50
90 + 50	27.4 + 15.2	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 57	45 - 51
90 + 60	27.4 + 18.3	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 57	45 - 51
90 + 70	27.4 + 21.3	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 57	45 - 51
90 + 80	27.4 + 24.4	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 57	45 - 51
100 + 30	30.5 + 9.1	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 57	45 - 52
100 + 40	30.5 + 12.2	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 53
100 + 50	30.5 + 15.2	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 54
100 + 60	30.5 + 18.3	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 54
100 + 70	30.5 + 21.3	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 54
100 + 80	30.5 + 24.4	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 54
110 + 30	33.5 + 9.1	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 54
110 + 40	33.5 + 12.2	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
110 + 50	33.5 + 15.2	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
110 + 60	33.5 + 18.3	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
110 + 70	33.5 + 21.3	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
110 + 80	33.5 + 24.4	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
120 + 30	36.6 + 9.1	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
120 + 40	36.6 + 12.2	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
120 + 50	36.6 + 15.2	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
120 + 60	36.6 + 18.3	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
120 + 70	36.6 + 21.3	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
120 + 80	36.6 + 24.4	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
130 + 30	39.6 + 9.1	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
130 + 40	39.6 + 12.2	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
130 + 50	39.6 + 15.2	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
130 + 60	39.6 + 18.3	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
130 + 70	39.6 + 21.3	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
130 + 80	39.6 + 24.4	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
140 + 30	42.7 + 9.1	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
140 + 40	42.7 + 12.2	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
140 + 50	42.7 + 15.2	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
140 + 60	42.7 + 18.3	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
140 + 70	42.7 + 21.3	46 - 72	46 - 69	46 - 66	46 - 63	46 - 60	46 - 58	46 - 55
140 + 80	42.7 + 24.4	48 - 72	48 - 69	48 - 66	48 - 63	48 - 60	48 - 58	48 - 55
* Boom Must Face Downhill								
** Travel Condition Is Not Allowed								



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Machine Travel Without Load - Boom Facing Uphill - 777 SERIES 1								
105,000 Lb. (47 630 kg) Counterweight								
Boom + Jib Length		Boom Angle Range In Degrees						
		Percent Grade						
Feet	Meters	0%	5%	10%	15%	20%	25%	30%
150 + 30	45.7 + 9.1	48 - 72	48 - 69	48 - 66	48 - 63	48 - 60	48 - 58	48 - 55
150 + 40	45.7 + 12.2	48 - 72	48 - 69	48 - 66	48 - 63	48 - 60	48 - 58	48 - 55
150 + 50	45.7 + 15.2	48 - 72	48 - 69	48 - 66	48 - 63	48 - 60	48 - 58	48 - 55
150 + 60	45.7 + 18.3	48 - 72	48 - 69	48 - 66	48 - 63	48 - 60	48 - 58	48 - 55
150 + 70	45.7 + 21.3	49 - 72	49 - 69	49 - 66	49 - 63	49 - 60	49 - 58	49 - 55
150 + 80	45.7 + 24.4	50 - 72	50 - 69	50 - 66	50 - 63	50 - 60	50 - 58	50 - 55
160 + 30	48.8 + 9.1	50 - 72	50 - 69	50 - 66	50 - 63	50 - 60	50 - 58	50 - 55
160 + 40	48.8 + 12.2	50 - 72	50 - 69	50 - 66	50 - 63	50 - 60	50 - 58	50 - 55
160 + 50	48.8 + 15.2	50 - 72	50 - 69	50 - 66	50 - 63	50 - 60	50 - 58	50 - 55
160 + 60	48.8 + 18.3	52 - 72	52 - 69	52 - 66	52 - 63	52 - 60	52 - 58	52 - 55
160 + 70	48.8 + 21.3	53 - 72	53 - 69	53 - 66	53 - 63	53 - 60	53 - 58	53 - 55
160 + 80	48.8 + 24.4	54 - 72	54 - 69	54 - 66	54 - 63	54 - 60	54 - 58	54 - 55
170 + 30	51.8 + 9.1	54 - 72	54 - 69	54 - 66	54 - 63	54 - 60	54 - 58	54 - 55
170 + 40	51.8 + 12.2	54 - 72	54 - 69	54 - 66	54 - 63	54 - 60	54 - 58	54 - 55
170 + 50	51.8 + 15.2	54 - 72	54 - 69	54 - 66	54 - 63	54 - 60	54 - 58	54 - 55
170 + 60	51.8 + 18.3	54 - 72	54 - 69	54 - 66	54 - 63	54 - 60	54 - 58	54 - 55
170 + 70	51.8 + 21.3	55 - 72	55 - 69	55 - 66	55 - 63	55 - 60	55 - 58	**
170 + 80	51.8 + 24.4	56 - 72	56 - 69	56 - 66	56 - 63	56 - 60	56 - 58	**
180 + 30	54.9 + 9.1	56 - 72	56 - 69	56 - 66	56 - 63	56 - 60	56 - 58	**
180 + 40	54.9 + 12.2	56 - 72	56 - 69	56 - 66	56 - 63	56 - 60	56 - 58	**
180 + 50	54.9 + 15.2	56 - 72	56 - 69	56 - 66	56 - 63	56 - 60	56 - 58	**
180 + 60	54.9 + 18.3	58 - 72	58 - 69	58 - 66	58 - 63	58 - 60	**	**
180 + 70	54.9 + 21.3	59 - 72	59 - 69	59 - 66	59 - 63	59 - 60	**	**
180 + 80	54.9 + 24.4	59 - 72	59 - 69	59 - 66	59 - 63	59 - 60	**	**
190 + 30	57.9 + 9.1	59 - 72	59 - 69	59 - 66	59 - 63	59 - 60	**	**
190 + 40	57.9 + 12.2	59 - 72	59 - 69	59 - 66	59 - 63	59 - 60	**	**
190 + 50	57.9 + 15.2	60 - 72	60 - 69	60 - 66	60 - 63	**	**	**
* Boom Must Face Downhill								
** Travel Condition Is Not Allowed								



Maximum Allowable Travel Specifications

777 SERIES 1
777 SERIES 2

Boom No. 78
Jib No. 134 With 12 Ft. 6 in. (3 810 mm) Strut

Machine Travel Without Load - Boom Facing Downhill - 777 SERIES 2								
142,000 Lb. (64 410 kg) Crane Counterweight 44,000 Lb. (19 960 kg) Carbody Counterweight								
Boom Length		Boom Angle Range In Degrees						
		Percent Grade						
Feet	Meters	0%	5%	10%	15%	20%	25%	30%
60	18.3	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72
70	21.3	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72
80	24.4	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72
90	27.4	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72
100	30.5	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72
110	33.5	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72
120	36.6	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72
130	39.6	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72
140	42.7	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72
150	45.7	30 - 72	30 - 72	30 - 72	30 - 72	30 - 72	34 - 72	40 - 72
160	48.8	30 - 72	30 - 72	30 - 72	30 - 72	36 - 72	42 - 72	49 - 72
170	51.8	30 - 72	30 - 72	31 - 72	38 - 72	43 - 72	48 - 72	54 - 72
180	54.9	30 - 72	34 - 72	39 - 72	44 - 72	48 - 72	55 - 72	60 - 72
190	57.9	35 - 72	40 - 72	45 - 72	49 - 72	55 - 72	59 - 72	64 - 72
200	61.0	39 - 72	44 - 72	48 - 72	53 - 72	59 - 72	64 - 72	67 - 72
210	64.0	43 - 72	48 - 72	52 - 72	57 - 72	61 - 72	67 - 72	71 - 72
220	67.0	47 - 72	51 - 72	56 - 72	60 - 72	65 - 72	69 - 72	*
230	70.1	50 - 72	54 - 72	59 - 72	63 - 72	67 - 72	71 - 72	*
240	73.2	53 - 72	56 - 72	60 - 72	64 - 72	70 - 72	*	*
250	76.2	55 - 72	59 - 72	63 - 72	67 - 72	71 - 72	*	**
260	79.2	58 - 72	62 - 72	65 - 72	69 - 72	*	**	**
270	82.3	59 - 72	63 - 72	68 - 72	71 - 72	*	**	**
* Boom Must Face Uphill								
** Travel Condition Is Not Allowed								



Maximum Allowable Travel Specifications

777 SERIES 1
777 SERIES 2

Boom No. 78
Jib No. 134 With 12 Ft. 6 in. (3 810 mm) Strut

Machine Travel Without Load - Boom Facing Uphill - 777 SERIES 2								
142,000 Lb. (64 410 kg) Crane Counterweight 44,000 Lb. (19 960 kg) Carbody Counterweight								
Boom Length		Boom Angle Range In Degrees						
		Percent Grade						
Feet	Meters	0%	5%	10%	15%	20%	25%	30%
60	18.3	30 - 72	30 - 63	30 - 54	30 - 40	30 - 32	*	*
70	21.3	30 - 72	30 - 67	30 - 54	30 - 49	30 - 37	*	*
80	24.4	30 - 72	30 - 69	30 - 59	30 - 51	30 - 46	30 - 34	*
90	27.4	30 - 72	30 - 69	30 - 63	30 - 56	30 - 47	30 - 43	30 - 32
100	30.5	30 - 72	30 - 69	30 - 66	30 - 59	30 - 52	30 - 45	30 - 41
110	33.5	30 - 72	30 - 69	30 - 66	30 - 62	30 - 56	30 - 50	30 - 43
120	36.6	30 - 72	30 - 69	30 - 66	30 - 63	30 - 59	30 - 54	30 - 47
130	39.6	30 - 72	30 - 69	30 - 66	30 - 63	30 - 59	30 - 57	30 - 48
140	42.7	30 - 72	30 - 69	30 - 66	30 - 63	30 - 60	30 - 58	30 - 52
150	45.7	30 - 72	30 - 69	30 - 66	30 - 63	30 - 60	30 - 58	30 - 55
160	48.8	30 - 72	30 - 69	30 - 66	30 - 63	30 - 60	30 - 58	30 - 55
170	51.8	30 - 72	30 - 69	30 - 66	30 - 63	30 - 60	30 - 58	30 - 55
180	54.9	30 - 72	30 - 69	30 - 66	30 - 63	30 - 60	30 - 58	30 - 55
190	57.9	35 - 72	35 - 69	35 - 66	35 - 63	35 - 60	35 - 58	35 - 55
200	61.0	39 - 72	39 - 69	39 - 66	39 - 63	39 - 60	39 - 58	39 - 55
210	64.0	43 - 72	43 - 69	43 - 66	43 - 63	43 - 60	43 - 58	43 - 55
220	67.0	47 - 72	47 - 69	47 - 66	47 - 63	47 - 60	47 - 58	47 - 55
230	70.1	50 - 72	50 - 69	50 - 66	50 - 63	50 - 60	50 - 58	50 - 55
240	73.2	53 - 72	53 - 69	53 - 66	53 - 63	53 - 60	53 - 58	53 - 55
250	76.2	55 - 72	55 - 69	55 - 66	55 - 63	55 - 60	55 - 58	**
260	79.2	58 - 72	58 - 69	58 - 66	58 - 63	58 - 60	**	**
270	82.3	59 - 72	59 - 69	59 - 66	59 - 63	59 - 60	**	**
* Boom Must Face Downhill								
** Travel Condition Is Not Allowed								



Maximum Allowable Travel Specifications

777 SERIES 1

777 SERIES 2

Boom No. 78
Jib No. 134 With 12 Ft. 6 in. (3 810 mm) Strut

Machine Travel Without Load - Boom and Jib Facing Downhill - 777 SERIES 2								
142,000 Lb. (64 410 kg) Crane Counterweight 44,000 Lb. (19 960 kg) Carbody Counterweight								
Boom + Jib Length		Boom Angle Range In Degrees						
		Percent Grade						
Feet	Meters	0%	5%	10%	15%	20%	25%	30%
80 + 30	24.4 + 9.1	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
80 + 40	24.4 + 12.2	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
80 + 50	24.4 + 15.2	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
80 + 60	24.4 + 18.3	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
80 + 70	24.4 + 21.3	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
80 + 80	24.4 + 24.4	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
90 + 30	27.4 + 9.1	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
90 + 40	27.4 + 12.2	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
90 + 50	27.4 + 15.2	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
90 + 60	27.4 + 18.3	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
90 + 70	27.4 + 21.3	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
90 + 80	27.4 + 24.4	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
100 + 30	30.5 + 9.1	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
100 + 40	30.5 + 12.2	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
100 + 50	30.5 + 15.2	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
100 + 60	30.5 + 18.3	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
100 + 70	30.5 + 21.3	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
100 + 80	30.5 + 24.4	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
110 + 30	33.5 + 9.1	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
110 + 40	33.5 + 12.2	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
110 + 50	33.5 + 15.2	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
110 + 60	33.5 + 18.3	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
110 + 70	33.5 + 21.3	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
110 + 80	33.5 + 24.4	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
120 + 30	36.6 + 9.1	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
120 + 40	36.6 + 12.2	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
120 + 50	36.6 + 15.2	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
120 + 60	36.6 + 18.3	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
120 + 70	36.6 + 21.3	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72
120 + 80	36.6 + 24.4	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	48 - 72
130 + 30	39.6 + 9.1	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	48 - 72
130 + 40	39.6 + 12.2	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	48 - 72
130 + 50	39.6 + 15.2	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	48 - 72
130 + 60	39.6 + 18.3	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	49 - 72
130 + 70	39.6 + 21.3	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	52 - 72
130 + 80	39.6 + 24.4	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	49 - 72	55 - 72
140 + 30	42.7 + 9.1	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	49 - 72	55 - 72
140 + 40	42.7 + 12.2	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	49 - 72	55 - 72
140 + 50	42.7 + 15.2	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	49 - 72	55 - 72
140 + 60	42.7 + 18.3	45 - 72	45 - 72	45 - 72	45 - 72	45 - 72	51 - 72	56 - 72
140 + 70	42.7 + 21.3	45 - 72	45 - 72	45 - 72	45 - 72	46 - 72	52 - 72	58 - 72
140 + 80	42.7 + 24.4	45 - 72	45 - 72	45 - 72	45 - 72	50 - 72	55 - 72	61 - 72
150 + 30	45.7 + 9.1	45 - 72	45 - 72	45 - 72	45 - 72	50 - 72	55 - 72	61 - 72
150 + 40	45.7 + 12.2	45 - 72	45 - 72	45 - 72	45 - 72	50 - 72	55 - 72	61 - 72
150 + 50	45.7 + 15.2	45 - 72	45 - 72	45 - 72	45 - 72	50 - 72	55 - 72	61 - 72
150 + 60	45.7 + 18.3	45 - 72	45 - 72	45 - 72	45 - 72	50 - 72	55 - 72	61 - 72
150 + 70	45.7 + 21.3	45 - 72	45 - 72	45 - 72	47 - 72	53 - 72	58 - 72	63 - 72
150 + 80	45.7 + 24.4	45 - 72	45 - 72	45 - 72	50 - 72	54 - 72	59 - 72	64 - 72



Maximum Allowable Travel Specifications

777 SERIES 1 777 SERIES 2

Boom No. 78
Jib No. 134 With 12 Ft. 6 in. (3 810 mm) Strut

Machine Travel Without Load - Boom and Jib Facing Downhill - 777 SERIES 2								
142,000 Lb. (64 410 kg) Crane Counterweight 44,000 Lb. (19 960 kg) Carbody Counterweight								
Boom + Jib Length		Boom Angle Range In Degrees						
		Percent Grade						
Feet	Meters	0%	5%	10%	15%	20%	25%	30%
160 + 30	48.8 + 9.1	45 - 72	45 - 72	45 - 72	50 - 72	54 - 72	59 - 72	64 - 72
160 + 40	48.8 + 12.2	45 - 72	45 - 72	45 - 72	50 - 72	54 - 72	59 - 72	64 - 72
160 + 50	48.8 + 15.2	45 - 72	45 - 72	45 - 72	50 - 72	54 - 72	59 - 72	64 - 72
160 + 60	48.8 + 18.3	45 - 72	45 - 72	45 - 72	50 - 72	56 - 72	60 - 72	66 - 72
160 + 70	48.8 + 21.3	45 - 72	45 - 72	48 - 72	51 - 72	57 - 72	62 - 72	66 - 72
160 + 80	48.8 + 24.4	45 - 72	45 - 72	49 - 72	54 - 72	59 - 72	64 - 72	68 - 72
170 + 30	51.8 + 9.1	45 - 72	45 - 72	49 - 72	54 - 72	59 - 72	64 - 72	68 - 72
170 + 40	51.8 + 12.2	45 - 72	45 - 72	49 - 72	54 - 72	59 - 72	64 - 72	68 - 72
170 + 50	51.8 + 15.2	45 - 72	45 - 72	49 - 72	54 - 72	59 - 72	64 - 72	68 - 72
170 + 60	51.8 + 18.3	45 - 72	45 - 72	49 - 72	54 - 72	59 - 72	64 - 72	68 - 72
170 + 70	51.8 + 21.3	45 - 72	46 - 72	52 - 72	56 - 72	60 - 72	64 - 72	70 - 72
170 + 80	51.8 + 24.4	45 - 72	48 - 72	53 - 72	58 - 72	62 - 72	66 - 72	*
180 + 30	54.9 + 9.1	45 - 72	48 - 72	53 - 72	58 - 72	62 - 72	66 - 72	*
180 + 40	54.9 + 12.2	45 - 72	48 - 72	53 - 72	58 - 72	60 - 72	66 - 72	*
180 + 50	54.9 + 15.2	45 - 72	48 - 72	53 - 72	58 - 72	62 - 72	66 - 72	*
180 + 60	54.9 + 18.3	46 - 72	49 - 72	53 - 72	58 - 72	62 - 72	67 - 72	*
180 + 70	54.9 + 21.3	47 - 72	51 - 72	55 - 72	60 - 72	64 - 72	68 - 72	*
180 + 80	54.9 + 24.4	48 - 72	52 - 72	56 - 72	61 - 72	65 - 72	70 - 72	*
190 + 30	57.9 + 9.1	48 - 72	52 - 72	56 - 72	61 - 72	65 - 72	70 - 72	*
190 + 40	57.9 + 12.2	48 - 72	52 - 72	56 - 72	61 - 72	65 - 72	70 - 72	*
190 + 50	57.9 + 15.2	48 - 72	52 - 72	56 - 72	61 - 72	65 - 72	70 - 72	*
190 + 60	57.9 + 18.3	48 - 72	53 - 72	58 - 72	61 - 72	66 - 72	70 - 72	*
190 + 70	57.9 + 21.3	50 - 72	54 - 72	59 - 72	63 - 72	67 - 72	71 - 72	*
190 + 80	57.9 + 24.4	52 - 72	55 - 72	59 - 72	63 - 72	68 - 72	*	*
200 + 30	61.0 + 9.1	52 - 72	55 - 72	59 - 72	63 - 72	68 - 72	*	*
200 + 40	61.0 + 12.2	52 - 72	55 - 72	59 - 72	63 - 72	68 - 72	*	*
200 + 50	61.0 + 15.2	52 - 72	55 - 72	59 - 72	63 - 72	68 - 72	*	*
200 + 60	61.0 + 18.3	52 - 72	56 - 72	60 - 72	64 - 72	69 - 72	*	*
200 + 70	61.0 + 21.3	53 - 72	57 - 72	61 - 72	65 - 72	69 - 72	*	*
200 + 80	61.0 + 24.4	54 - 72	58 - 72	62 - 72	66 - 72	70 - 72	*	*
210 + 30	64.0 + 9.1	54 - 72	58 - 72	62 - 72	66 - 72	70 - 72	*	*
210 + 40	64.0 + 12.2	54 - 72	58 - 72	62 - 72	66 - 72	70 - 72	*	*
210 + 50	64.0 + 15.2	54 - 72	58 - 72	62 - 72	66 - 72	70 - 72	*	*
210 + 60	64.0 + 18.3	54 - 72	58 - 72	62 - 72	66 - 72	71 - 72	*	*
210 + 70	64.0 + 21.3	55 - 72	59 - 72	63 - 72	67 - 72	71 - 72	*	**
210 + 80	64.0 + 24.4	56 - 72	61 - 72	64 - 72	68 - 72	*	*	**
220 + 30	67.1 + 9.1	56 - 72	61 - 72	64 - 72	68 - 72	*	*	**
220 + 40	67.1 + 12.2	56 - 72	61 - 72	64 - 72	68 - 72	*	*	**
220 + 50	67.1 + 15.2	56 - 72	61 - 72	64 - 72	68 - 72	*	*	**
220 + 60	67.1 + 18.3	57 - 72	61 - 72	64 - 72	68 - 72	*	*	**
220 + 70	67.1 + 21.3	58 - 72	61 - 72	65 - 72	69 - 72	*	**	**
220 + 80	67.1 + 24.4	58 - 72	62 - 72	66 - 72	70 - 72	*	**	**
230 + 30	70.1 + 9.1	58 - 72	62 - 72	66 - 72	70 - 72	*	**	**
230 + 40	70.1 + 12.2	58 - 72	62 - 72	66 - 72	70 - 72	*	**	**
230 + 50	70.1 + 15.2	58 - 72	62 - 72	66 - 72	71 - 72	*	**	**
240 + 30	73.2 + 9.1	58 - 72	62 - 72	66 - 72	71 - 72	*	**	**
* Boom Must Face Uphill								
** Travel Condition Is Not Allowed								



Maximum Allowable Travel Specifications

777 SERIES 1 777 SERIES 2

Boom No. 78
Jib No. 134 With 12 Ft. 6 in. (3 810 mm) Strut

Machine Travel Without Load - Boom and Jib Facing Uphill - 777 SERIES 2								
142,000 Lb. (64 410 kg) Crane Counterweight 44,000 Lb. (19 960 kg) Carbody Counterweight								
Boom + Jib Length		Boom Angle Range In Degrees						
		Percent Grade						
Feet	Meters	0%	5%	10%	15%	20%	25%	30%
80 + 30	24.4 + 9.1	45 - 72	45 - 69	45 - 66	45 - 59	45 - 53	45 - 47	*
80 + 40	24.4 + 12.2	45 - 72	45 - 69	45 - 66	45 - 61	45 - 55	45 - 48	*
80 + 50	24.4 + 15.2	45 - 72	45 - 69	45 - 66	45 - 61	45 - 56	45 - 48	*
80 + 60	24.4 + 18.3	45 - 72	45 - 69	45 - 66	45 - 61	45 - 56	45 - 48	*
80 + 70	24.4 + 21.3	45 - 72	45 - 69	45 - 66	45 - 61	45 - 56	45 - 48	*
80 + 80	24.4 + 24.4	45 - 72	45 - 69	45 - 66	45 - 61	45 - 56	45 - 48	**
90 + 30	27.4 + 9.1	45 - 72	45 - 69	45 - 66	45 - 62	45 - 56	45 - 50	**
90 + 40	27.4 + 12.2	45 - 72	45 - 69	45 - 66	45 - 63	45 - 59	45 - 53	**
90 + 50	27.4 + 15.2	45 - 72	45 - 69	45 - 66	45 - 63	45 - 59	45 - 53	45 - 46
90 + 60	27.4 + 18.3	45 - 72	45 - 69	45 - 66	45 - 63	45 - 59	45 - 53	45 - 48
90 + 70	27.4 + 21.3	45 - 72	45 - 69	45 - 66	45 - 63	45 - 59	45 - 53	45 - 48
90 + 80	27.4 + 24.4	45 - 72	45 - 69	45 - 66	45 - 63	45 - 59	45 - 53	45 - 48
100 + 30	30.5 + 9.1	45 - 72	45 - 69	45 - 66	45 - 63	45 - 59	45 - 53	45 - 48
100 + 40	30.5 + 12.2	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 54	45 - 48
100 + 50	30.5 + 15.2	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 54	45 - 50
100 + 60	30.5 + 18.3	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 54	45 - 50
100 + 70	30.5 + 21.3	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 54	45 - 50
100 + 80	30.5 + 24.4	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 54	45 - 50
110 + 30	33.5 + 9.1	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 55	45 - 50
110 + 40	33.5 + 12.2	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 56	45 - 52
110 + 50	33.5 + 15.2	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 52
110 + 60	33.5 + 18.3	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 52
110 + 70	33.5 + 21.3	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 52
110 + 80	33.5 + 24.4	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 52
120 + 30	36.6 + 9.1	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 52
120 + 40	36.6 + 12.2	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 54
120 + 50	36.6 + 15.2	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 54
120 + 60	36.6 + 18.3	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 54
120 + 70	36.6 + 21.3	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 54
120 + 80	36.6 + 24.4	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 54
130 + 30	39.6 + 9.1	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 54
130 + 40	39.6 + 12.2	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
130 + 50	39.6 + 15.2	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
130 + 60	39.6 + 18.3	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
130 + 70	39.6 + 21.3	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
130 + 80	39.6 + 24.4	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
140 + 30	42.7 + 9.1	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
140 + 40	42.7 + 12.2	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
140 + 50	42.7 + 15.2	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
140 + 60	42.7 + 18.3	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
140 + 70	42.7 + 21.3	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
140 + 80	42.7 + 24.4	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
150 + 30	45.7 + 9.1	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
150 + 40	45.7 + 12.2	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
150 + 50	45.7 + 15.2	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
150 + 60	45.7 + 18.3	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
150 + 70	45.7 + 21.3	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
150 + 80	45.7 + 24.4	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
* Boom Must Face Uphill								
** Travel Condition Is Not Allowed								



Maximum Allowable Travel Specifications

777 SERIES 1 777 SERIES 2

Boom No. 78
Jib No. 134 With 12 Ft. 6 in. (3 810 mm) Strut

Machine Travel Without Load - Boom and Jib Facing Uphill - 777 SERIES 2								
142,000 Lb. (64 410 kg) Crane Counterweight 44,000 Lb. (19 960 kg) Carbody Counterweight								
Boom + Jib Length		Boom Angle Range In Degrees						
		Percent Grade						
Feet	Meters	0%	5%	10%	15%	20%	25%	30%
160 + 30	48.8 + 9.1	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
160 + 40	48.8 + 12.2	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
160 + 50	48.8 + 15.2	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
160 + 60	48.8 + 18.3	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
160 + 70	48.8 + 21.3	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
160 + 80	48.8 + 24.4	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
170 + 30	51.8 + 9.1	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
170 + 40	51.8 + 12.2	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
170 + 50	51.8 + 15.2	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
170 + 60	51.8 + 18.3	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
170 + 70	51.8 + 21.3	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
170 + 80	51.8 + 24.4	45 - 72	45 - 69	46 - 66	45 - 63	45 - 60	45 - 58	45 - 55
180 + 30	54.9 + 9.1	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
180 + 40	54.9 + 12.2	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
180 + 50	54.9 + 15.2	45 - 72	45 - 69	45 - 66	45 - 63	45 - 60	45 - 58	45 - 55
180 + 60	54.9 + 18.3	46 - 72	46 - 69	46 - 66	46 - 63	46 - 60	46 - 58	46 - 55
180 + 70	54.9 + 21.3	47 - 72	47 - 69	47 - 66	47 - 63	47 - 60	47 - 58	47 - 55
180 + 80	54.9 + 24.4	48 - 72	48 - 69	48 - 66	48 - 63	48 - 60	48 - 58	48 - 55
190 + 30	57.9 + 9.1	48 - 72	48 - 69	48 - 66	48 - 63	48 - 60	48 - 58	48 - 55
190 + 40	57.9 + 12.2	48 - 72	48 - 69	48 - 66	48 - 63	48 - 60	48 - 58	48 - 55
190 + 50	57.9 + 15.2	48 - 72	48 - 69	48 - 66	48 - 63	48 - 60	48 - 58	48 - 55
190 + 60	57.9 + 18.3	48 - 72	48 - 69	48 - 66	48 - 63	48 - 60	48 - 58	48 - 55
190 + 70	57.9 + 21.3	50 - 72	50 - 69	50 - 66	50 - 63	50 - 60	50 - 58	50 - 55
190 + 80	57.9 + 24.4	52 - 72	52 - 69	52 - 66	52 - 63	52 - 60	52 - 58	52 - 55
200 + 30	61.0 + 9.1	52 - 72	52 - 69	52 - 66	52 - 63	52 - 60	52 - 58	52 - 55
200 + 40	61.0 + 12.2	52 - 72	52 - 69	52 - 66	52 - 63	52 - 60	52 - 58	52 - 55
200 + 50	61.0 + 15.2	52 - 72	52 - 69	52 - 66	52 - 63	52 - 60	52 - 58	52 - 55
200 + 60	61.0 + 18.3	52 - 72	52 - 69	52 - 66	52 - 63	52 - 60	52 - 58	52 - 55
200 + 70	61.0 + 21.3	53 - 72	53 - 69	53 - 66	53 - 63	53 - 60	53 - 58	53 - 55
200 + 80	61.0 + 24.4	54 - 72	54 - 69	54 - 66	54 - 63	54 - 60	54 - 58	54 - 55
210 + 30	64.0 + 9.1	54 - 72	54 - 69	54 - 66	54 - 63	54 - 60	54 - 58	54 - 55
210 + 40	64.0 + 12.2	54 - 72	54 - 69	54 - 66	54 - 63	54 - 60	54 - 58	54 - 55
210 + 50	64.0 + 15.2	54 - 72	54 - 69	54 - 66	54 - 63	54 - 60	54 - 58	54 - 55
210 + 60	64.0 + 18.3	54 - 72	54 - 69	54 - 66	54 - 63	54 - 60	54 - 58	54 - 55
210 + 70	64.0 + 21.3	55 - 72	55 - 69	55 - 66	55 - 63	55 - 60	55 - 58	**
210 + 80	64.0 + 24.4	56 - 72	56 - 69	56 - 66	56 - 63	56 - 60	56 - 58	**
220 + 30	67.1 + 9.1	56 - 72	56 - 69	56 - 66	56 - 63	56 - 60	56 - 58	**
220 + 40	67.1 + 12.2	56 - 72	56 - 69	56 - 66	56 - 63	56 - 60	56 - 58	**
220 + 50	67.1 + 15.2	56 - 72	56 - 69	56 - 66	56 - 63	56 - 60	56 - 58	**
220 + 60	67.1 + 18.3	57 - 72	57 - 69	57 - 66	57 - 63	57 - 60	57 - 58	**
220 + 70	67.1 + 21.3	58 - 72	58 - 69	58 - 66	58 - 63	58 - 60	**	**
220 + 80	67.1 + 24.4	58 - 72	58 - 69	58 - 66	58 - 63	58 - 60	**	**
230 + 30	70.1 + 9.1	58 - 72	58 - 69	58 - 66	58 - 63	58 - 60	**	**
230 + 40	70.1 + 12.2	58 - 72	58 - 69	58 - 66	58 - 63	58 - 60	**	**
230 + 50	70.1 + 15.2	58 - 72	58 - 69	58 - 66	58 - 63	58 - 60	**	**
240 + 30	73.2 + 9.1	58 - 72	58 - 69	58 - 66	58 - 63	58 - 60	**	**
* Boom Must Face Uphill								
** Travel Condition Is Not Allowed								