

Maximum Allowable Travel Specifications

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

Jobsite Travel

777T must be equipped with counterweights as specified in tables.

Machine Travel Without Load

- A. Load blocks and/or hook and weight ball may be suspended beneath lower boom point, upper boom point and jib point. Total combined suspended weight beneath lower and upper boom point must not exceed 7,100 Lbs. (3 220 kg) or 6,000 Lbs. (2 720 kg) on lower boom point when jib is attached. Total suspended weight beneath jib point must not exceed 1,500 Lbs. (680 kg).
- B. Machine to travel on a firm and uniformly supporting surface with crane upperworks in-line with carrier, 116 PSI (800 kPa) minimum tire pressure and ¼ MPH (0.4 kms/hr) maximum travel speed. Grade in direction of travel should not exceed 5 percent (2.9 degrees); side-to-side grade must not exceed 1 percent (0.5 degrees) measured at boom hinge pins.
- C. See tables for boom angle, boom length and direction for various grades. Adjust boom within boom angle range shown in tables with machine in a level position before traveling onto grade. Do not change boom angle after machine has been traveled onto grade. Boom angle is angle between horizontal and centerline of boom butt and inserts. See table below for grade vs. angle when traveling.
- D. Do not exceed 1 percent (0.5 degrees) side-to-side grade at boom hinge pins when turning on grade. Travel with crane upperworks in-line with grade at all times.
- E. **Warning:** Travel prohibited for boom lengths, jib lengths and boom angles not shown in tables. *Machine could tip.*
- F. Jib lengths shown in tables on pages 26-67 include all jib offset angles. Asterisk (*) denotes boom + jib lengths not allowed for counterweight configurations specified in tables.

Refer to capacity charts for maximum boom length raising.

Percent Grade Vs. Angle In Degrees	
Percent Grade	Angle
1	0.5
5	2.9

Maximum Allowable Travel Specifications

Boom No. 78TA With Heavy Lift Top

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Machine Travel Uphill Without Load - Upper Facing Rear									
0 Lb. Crane Counterweight									
Boom Length (not including jib)		Boom Angle Range In Degrees						Boom Length (not including jib)	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
42.5	13.0			65 - 79	70 - 77	30 - 79	30 - 77	42.5	13.0
60	18.3			75 - 79		50 - 79	55 - 77	60	18.3
70	21.3			76 - 79		60 - 79	65 - 77	70	21.3
80	24.4			78 - 79		65 - 79	70 - 77	80	24.4
90	27.4					70 - 79	70 - 77	90	27.4
100	30.5					70 - 79	75 - 77	100	30.5
110	33.5					75 - 79	76 - 77	110	33.5
120	36.6					75 - 79	76 - 77	120	36.6
130	39.6					76 - 79		130	39.6
140	42.7					78 - 79		140	42.7
150	45.7					78 - 79		150	45.7

Machine Travel Downhill Without Load - Upper Facing Rear									
0 Lb. Crane Counterweight									
Boom Length (not including jib)		Boom Angle Range In Degrees						Boom Length (not including jib)	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
42.5	13.0	78 - 79	72 - 77	65 - 79	60 - 77	30 - 79	30 - 77	42.5	13.0
60	18.3			75 - 79	70 - 77	50 - 79	45 - 77	60	18.3
70	21.3			76 - 79	72 - 77	60 - 79	50 - 77	70	21.3
80	24.4			78 - 79		65 - 79	60 - 77	80	24.4
90	27.4					70 - 79	60 - 77	90	27.4
100	30.5					70 - 79	65 - 77	100	30.5
110	33.5					75 - 79	70 - 77	110	33.5
120	36.6					75 - 79	70 - 77	120	36.6
130	39.6					75 - 79	70 - 77	130	39.6
140	42.7					78 - 79		140	42.7

Maximum Allowable Travel Specifications

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Boom No. 78TA With Heavy Lift Top

Machine Travel Uphill Without Load - Upper Facing Front									
0 Lb. Crane Counterweight									
Boom Length (not including jib)		Boom Angle Range In Degrees						Boom Length (not including jib)	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
42.5	13.0	30 - 79	30 - 77	30 - 79	30 - 77	40 - 79	35 - 77	42.5	13.0
60	18.3	30 - 79	30 - 77	30 - 79	30 - 77	65 - 79	60 - 77	60	18.3
70	21.3	30 - 79	30 - 77	40 - 79	35 - 77	70 - 79	65 - 77	70	21.3
80	24.4	40 - 79	30 - 77	50 - 79	45 - 77	70 - 79	70 - 77	80	24.4
90	27.4	50 - 79	45 - 77	60 - 79	55 - 77	74 - 79	70 - 77	90	27.4
100	30.5	55 - 79	50 - 77	65 - 79	60 - 77	76 - 79	72 - 77	100	30.5
110	33.5	60 - 79	55 - 77	70 - 79	60 - 77			110	33.5
120	36.6	65 - 79	60 - 77	70 - 79	65 - 77			120	36.6
130	39.6			70 - 79	70 - 77			130	39.6
140	42.7			75 - 79	70 - 77			140	42.7

Machine Travel Downhill Without Load - Upper Facing Front									
0 Lb. Crane Counterweight									
Boom Length (not including jib)		Boom Angle Range In Degrees						Boom Length (not including jib)	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
42.5	13.0	30 - 79	30 - 77	30 - 79	30 - 77	45 - 79	50 - 77	42.5	13.0
60	18.3	30 - 79	30 - 77	30 - 79	35 - 77	65 - 79	70 - 77	60	18.3
70	21.3	30 - 79	30 - 77	45 - 79	50 - 77	70 - 79	75 - 77	70	21.3
80	24.4	40 - 79	45 - 77	50 - 79	55 - 77	75 - 79	76 - 77	80	24.4
90	27.4	50 - 79	50 - 77	60 - 79	60 - 77	75 - 79		90	27.4
100	30.5	55 - 79	60 - 77	65 - 79	70 - 77	76 - 79		100	30.5
110	33.5	60 - 79	65 - 77	70 - 79	70 - 77			110	33.5
120	36.6	65 - 79	65 - 77	70 - 79	75 - 77			120	36.6
130	39.6			70 - 79	75 - 77			130	39.6
140	42.7			75 - 79	76 - 77			140	42.7

Maximum Allowable Travel Specifications

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Boom No. 78TA With Heavy Lift Top

Machine Travel Uphill Without Load - Upper Facing Rear									
10,400 Lb. Crane Counterweight									
Boom Length (not including jib)		Boom Angle Range In Degrees						Boom Length (not including jib)	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
42.5	13.0	70 - 79	75 - 77	55 - 79	60 - 77	30 - 79	30 - 77	42.5	13.0
60	18.3	76 - 79		70 - 79	70 - 77	40 - 79	45 - 77	60	18.3
70	21.3			70 - 79	75 - 77	50 - 79	55 - 77	70	21.3
80	24.4			75 - 79		60 - 79	60 - 77	80	24.4
90	27.4			76 - 79		65 - 79	65 - 77	90	27.4
100	30.5			78 - 79		65 - 79	70 - 77	100	30.5
110	33.5					70 - 79	72 - 77	110	33.5
120	36.6					70 - 79	75 - 77	120	36.6
130	39.6					75 - 79	76 - 77	130	39.6
140	42.7					75 - 79		140	42.7
150	45.7					76 - 79		150	45.7
160	48.8					78 - 79		160	48.8
170	51.8					78 - 79		170	51.8

Machine Travel Downhill Without Load - Upper Facing Rear									
10,400 Lb. Crane Counterweight									
Boom Length (not including jib)		Boom Angle Range In Degrees						Boom Length (not including jib)	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
42.5	13.0	66 - 79	60 - 77	50 - 79	45 - 77	30 - 79	30 - 77	42.5	13.0
60	18.3	76 - 79	70 - 77	70 - 79	60 - 77	40 - 79	30 - 77	60	18.3
70	21.3			70 - 79	65 - 77	50 - 79	45 - 77	70	21.3
80	24.4			75 - 79	70 - 77	55 - 79	50 - 77	80	24.4
90	27.4			75 - 79	70 - 77	60 - 79	60 - 77	90	27.4
100	30.5					65 - 79	60 - 77	100	30.5
110	33.5					70 - 79	65 - 77	110	33.5
120	36.6					70 - 79	70 - 77	120	36.6
130	39.6					75 - 79	70 - 77	130	39.6
140	42.7					75 - 79	70 - 77	140	42.7
150	45.7					76 - 79	72 - 77	150	45.7
160	48.8					76 - 79	74 - 77	160	48.8

Maximum Allowable Travel Specifications

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Boom No. 78TA With Heavy Lift Top

Machine Travel Uphill Without Load - Upper Facing Front									
10,400 Lb. Crane Counterweight									
Boom Length (not including jib)		Boom Angle Range In Degrees						Boom Length (not including jib)	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
42.5	13.0	30 - 79	30 - 77	30 - 79	30 - 77	30 - 79	30 - 77	42.5	13.0
60	18.3	30 - 79	30 - 77	30 - 79	30 - 77	55 - 79	50 - 77	60	18.3
70	21.3	30 - 79	30 - 77	30 - 79	30 - 77	60 - 79	55 - 77	70	21.3
80	24.4	30 - 79	30 - 77	45 - 79	40 - 77	65 - 79	60 - 77	80	24.4
90	27.4	40 - 79	35 - 77	50 - 79	50 - 77	70 - 79	65 - 77	90	27.4
100	30.5	50 - 79	45 - 77	60 - 79	55 - 77	72 - 79	70 - 77	100	30.5
110	33.5	55 - 79	50 - 77	65 - 79	60 - 77	74 - 79	70 - 77	110	33.5
120	36.6	60 - 79	55 - 77	65 - 79	60 - 77	76 - 79	72 - 77	120	36.6
130	39.6	65 - 79	60 - 77	70 - 79	65 - 77			130	39.6
140	42.7	65 - 79	60 - 77	70 - 79	70 - 77			140	42.7
150	45.7			75 - 79	70 - 77			150	45.7

Machine Travel Downhill Without Load - Upper Facing Front									
10,400 Lb. Crane Counterweight									
Boom Length (not including jib)		Boom Angle Range In Degrees						Boom Length (not including jib)	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
42.5	13.0	30 - 79	30 - 77	30 - 79	30 - 77	30 - 79	30 - 77	42.5	13.0
60	18.3	30 - 79	30 - 77	30 - 79	30 - 77	55 - 79	60 - 77	60	18.3
70	21.3	30 - 79	30 - 77	35 - 79	40 - 77	65 - 79	70 - 77	70	21.3
80	24.4	30 - 79	35 - 77	45 - 79	50 - 77	70 - 79	70 - 77	80	24.4
90	27.4	45 - 79	50 - 77	55 - 79	60 - 77	70 - 79	75 - 77	90	27.4
100	30.5	50 - 79	55 - 77	60 - 79	65 - 77	75 - 79	76 - 77	100	30.5
110	33.5	60 - 79	60 - 77	65 - 79	70 - 77	76 - 79		110	33.5
120	36.6	60 - 79	65 - 77	65 - 79	70 - 77	76 - 79		120	36.6
130	39.6	65 - 79	70 - 77	70 - 79	70 - 77	78 - 79		130	39.6
140	42.7	70 - 79	70 - 77	70 - 79	75 - 77			140	42.7
150	45.7			75 - 79	76 - 77			150	45.7

Maximum Allowable Travel Specifications

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Boom No. 78TA With Heavy Lift Top

Machine Travel Uphill Without Load - Upper Facing Rear									
27,400 Lb. Crane Counterweight									
Boom Length (not including jib)		Boom Angle Range In Degrees						Boom Length (not including jib)	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
42.5	13.0	50 - 79	55 - 77	30 - 79	30 - 77	30 - 79	30 - 77	42.5	13.0
60	18.3	65 - 79	70 - 77	55 - 79	60 - 77	30 - 79	30 - 77	60	18.3
70	21.3	70 - 79	75 - 77	60 - 79	65 - 77	35 - 79	40 - 77	70	21.3
80	24.4	75 - 79	76 - 77	65 - 79	70 - 77	45 - 79	50 - 77	80	24.4
90	27.4	75 - 79		70 - 79	72 - 77	55 - 79	60 - 77	90	27.4
100	30.5	76 - 79		70 - 79	74 - 77	60 - 79	60 - 77	100	30.5
110	33.5	78 - 79		75 - 79	76 - 77	65 - 79	65 - 77	110	33.5
120	36.6			75 - 79		65 - 79	70 - 77	120	36.6
130	39.6			76 - 79		70 - 79	70 - 77	130	39.6
140	42.7			78 - 79		70 - 79	75 - 77	140	42.7
150	45.7					72 - 79	75 - 77	150	45.7
160	48.8					75 - 79	76 - 77	160	48.8
170	51.8					75 - 79		170	51.8
180	54.9					76 - 79		180	54.9
190	57.9					78 - 79		190	57.9

Maximum Allowable Travel Specifications

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Boom No. 78TA With Heavy Lift Top

Machine Travel Downhill Without Load - Upper Facing Rear									
27,400 Lb. Crane Counterweight									
Boom Length (not including jib)		Boom Angle Range In Degrees						Boom Length (not including jib)	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
42.5	13.0	50 - 79	40 - 77	30 - 79	30 - 77	30 - 79	30 - 77	42.5	13.0
60	18.3	65 - 79	60 - 77	50 - 79	45 - 77	30 - 79	30 - 77	60	18.3
70	21.3	70 - 79	65 - 77	60 - 79	55 - 77	35 - 79	30 - 77	70	21.3
80	24.4	70 - 79	70 - 77	65 - 79	60 - 77	45 - 79	40 - 77	80	24.4
90	27.4	75 - 79	70 - 77	70 - 79	65 - 77	50 - 79	50 - 77	90	27.4
100	30.5	76 - 79	72 - 77	70 - 79	70 - 77	60 - 79	55 - 77	100	30.5
110	33.5			72 - 79	70 - 77	60 - 79	60 - 77	110	33.5
120	36.6			74 - 79	70 - 77	65 - 79	60 - 77	120	36.6
130	39.6			76 - 79	72 - 77	70 - 79	65 - 77	130	39.6
140	42.7					70 - 79	65 - 77	140	42.7
150	45.7					70 - 79	70 - 77	150	45.7
160	48.8					72 - 79	70 - 77	160	48.8
170	51.8					74 - 79	70 - 77	170	51.8
180	54.9					76 - 79	72 - 77	180	54.9
190	57.9					76 - 79	72 - 77	190	57.9

Maximum Allowable Travel Specifications

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Boom No. 78TA With Heavy Lift Top

Machine Travel Uphill Without Load - Upper Facing Front									
27,400 Lb. Crane Counterweight									
Boom Length (not including jib)		Boom Angle Range In Degrees						Boom Length (not including jib)	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
42.5	13.0	30 - 76	30 - 70	30 - 79	30 - 77	30 - 79	30 - 77	42.5	13.0
60	18.3	30 - 79	30 - 76	30 - 79	30 - 77	40 - 79	30 - 77	60	18.3
70	21.3	30 - 79	30 - 77	30 - 79	30 - 77	50 - 79	45 - 77	70	21.3
80	24.4	30 - 79	30 - 77	30 - 79	30 - 77	60 - 79	50 - 77	80	24.4
90	27.4	30 - 79	30 - 77	40 - 79	35 - 77	60 - 79	60 - 77	90	27.4
100	30.5	40 - 79	35 - 77	50 - 79	45 - 77	65 - 79	60 - 77	100	30.5
110	33.5	50 - 79	45 - 77	55 - 79	50 - 77	70 - 79	65 - 77	110	33.5
120	36.6	50 - 79	50 - 77	60 - 79	55 - 77	70 - 79	70 - 77	120	36.6
130	39.6	60 - 79	55 - 77	65 - 79	60 - 77	75 - 79	70 - 77	130	39.6
140	42.7	60 - 79	60 - 77	65 - 79	60 - 77	75 - 79	70 - 77	140	42.7
150	45.7	65 - 79	60 - 77	70 - 79	65 - 77	76 - 79	72 - 77	150	45.7
160	48.8			70 - 79	70 - 77			160	48.8
170	51.8			72 - 79	70 - 77			170	51.8

Maximum Allowable Travel Specifications

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Boom No. 78TA With Heavy Lift Top

Machine Travel Downhill Without Load - Upper Facing Front									
27,400 Lb. Crane Counterweight									
Boom Length (not including jib)		Boom Angle Range In Degrees						Boom Length (not including jib)	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
42.5	13.0	30 - 76	30 - 77	30 - 79	30 - 77	30 - 79	30 - 77	42.5	13.0
60	18.3	30 - 79	30 - 77	30 - 79	30 - 77	40 - 79	45 - 77	60	18.3
70	21.3	30 - 79	30 - 77	30 - 79	30 - 77	50 - 79	55 - 77	70	21.3
80	24.4	30 - 79	30 - 77	30 - 79	35 - 77	60 - 79	60 - 77	80	24.4
90	27.4	30 - 79	35 - 77	45 - 79	50 - 77	65 - 79	70 - 77	90	27.4
100	30.5	40 - 79	45 - 77	50 - 79	55 - 77	70 - 79	70 - 77	100	30.5
110	33.5	50 - 79	55 - 77	60 - 79	60 - 77	70 - 79	72 - 77	110	33.5
120	36.6	55 - 79	60 - 77	60 - 79	65 - 77	72 - 79	74 - 77	120	36.6
130	39.6	60 - 79	60 - 77	65 - 79	70 - 77	75 - 79	76 - 77	130	39.6
140	42.7	60 - 79	65 - 77	70 - 79	70 - 77	76 - 79		140	42.7
150	45.7	65 - 79	70 - 77	70 - 79	72 - 77	78 - 79		150	45.7
160	48.8			70 - 79	74 - 77	78 - 79		160	48.8
170	51.8			72 - 79	76 - 77			170	51.8

Maximum Allowable Travel Specifications

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Boom No. 78TA With Heavy Lift Top

Machine Travel Uphill Without Load - Upper Facing Rear									
44,400 Lb. Crane Counterweight									
Boom Length (not including jib)		Boom Angle Range In Degrees						Boom Length (not including jib)	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
42.5	13.0	30 - 79	30 - 77	30 - 79	30 - 77	30 - 79	30 - 77	42.5	13.0
60	18.3	50 - 79	55 - 77	35 - 79	40 - 77	30 - 79	30 - 77	60	18.3
70	21.3	60 - 79	65 - 77	50 - 79	50 - 77	30 - 79	30 - 77	70	21.3
80	24.4	65 - 79	70 - 77	55 - 79	60 - 77	30 - 79	35 - 77	80	24.4
90	27.4	70 - 79	70 - 77	60 - 79	65 - 77	40 - 79	50 - 77	90	27.4
100	30.5	70 - 79	74 - 77	65 - 79	70 - 77	50 - 79	55 - 77	100	30.5
110	33.5	72 - 79	76 - 77	70 - 79	70 - 77	55 - 79	60 - 77	110	33.5
120	36.6	74 - 79		70 - 79	72 - 77	60 - 79	60 - 77	120	36.6
130	39.6	76 - 79		70 - 79	74 - 77	60 - 79	65 - 77	130	39.6
140	42.7	78 - 79		74 - 79	76 - 77	65 - 79	70 - 77	140	42.7
150	45.7	78 - 79		76 - 79		70 - 79	70 - 77	150	45.7
160	48.8			76 - 79		70 - 79	72 - 77	160	48.8
170	51.8			78 - 79		70 - 79	74 - 77	170	51.8
180	54.9			78 - 79		72 - 79	76 - 77	180	54.9
190	57.9					74 - 79	76 - 77	190	57.9
200	61.0					76 - 79		200	61.0
210	64.0					76 - 79		210	64.0

Maximum Allowable Travel Specifications

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Boom No. 78TA With Heavy Lift Top

Machine Travel Downhill Without Load - Upper Facing Rear									
44,400 Lb. Crane Counterweight									
Boom Length (not including jib)		Boom Angle Range In Degrees						Boom Length (not including jib)	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
42.5	13.0	30 - 79	30 - 77	30 - 79	30 - 77	30 - 79	30 - 76	42.5	13.0
60	18.3	50 - 79	40 - 77	35 - 79	30 - 77	30 - 79	30 - 77	60	18.3
70	21.3	60 - 79	50 - 77	45 - 79	40 - 77	30 - 79	30 - 77	70	21.3
80	24.4	60 - 79	60 - 77	55 - 79	50 - 77	30 - 79	30 - 77	80	24.4
90	27.4	70 - 79	60 - 77	60 - 79	55 - 77	40 - 79	35 - 77	90	27.4
100	30.5	70 - 79	65 - 77	65 - 79	60 - 77	50 - 79	45 - 77	100	30.5
110	33.5	72 - 79	70 - 77	70 - 79	65 - 77	55 - 79	50 - 77	110	33.5
120	36.6	72 - 79	70 - 77	70 - 79	65 - 77	60 - 79	55 - 77	120	36.6
130	39.6	74 - 79	70 - 77	70 - 79	70 - 77	60 - 79	60 - 77	130	39.6
140	42.7	76 - 79	72 - 77	72 - 79	70 - 77	65 - 79	60 - 77	140	42.7
150	45.7	78 - 79		74 - 79	70 - 77	70 - 79	65 - 77	150	45.7
160	48.8			76 - 79	72 - 77	70 - 79	65 - 77	160	48.8
170	51.8			76 - 79	72 - 77	70 - 79	70 - 77	170	51.8
180	54.9			78 - 79		72 - 79	70 - 77	180	54.9
190	57.9			78 - 79		74 - 79	70 - 77	190	57.9
200	61.0					74 - 79	70 - 77	200	61.0
210	64.0					76 - 79	72 - 77	210	64.0

Maximum Allowable Travel Specifications

777T

Boom No. 78TA With Heavy Lift Top

Machine Travel Uphill Without Load - Upper Facing Front									
44,400 Lb. Crane Counterweight									
Boom Length (not including jib)		Boom Angle Range In Degrees						Boom Length (not including jib)	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
42.5	13.0	30 - 50	30 - 45	30 - 60	30 - 60	30 - 79	30 - 77	42.5	13.0
60	18.3	30 - 65	30 - 60	30 - 76	30 - 72	30 - 79	30 - 77	60	18.3
70	21.3	30 - 70	30 - 60	30 - 78	30 - 74	35 - 79	30 - 77	70	21.3
80	24.4	30 - 72	30 - 65	30 - 79	30 - 76	45 - 79	40 - 77	80	24.4
90	27.4	30 - 74	30 - 70	30 - 79	30 - 76	55 - 79	50 - 77	90	27.4
100	30.5	30 - 76	30 - 72	40 - 79	35 - 77	60 - 79	55 - 77	100	30.5
110	33.5	40 - 78	35 - 74	50 - 79	45 - 77	65 - 79	60 - 77	110	33.5
120	36.6	45 - 78	40 - 74	50 - 79	50 - 77	65 - 79	60 - 77	120	36.6
130	39.6	50 - 79	45 - 76	60 - 79	55 - 77	70 - 79	65 - 77	130	39.6
140	42.7	55 - 79	50 - 76	60 - 79	60 - 77	70 - 79	70 - 77	140	42.7
150	45.7	60 - 79	55 - 77	65 - 79	60 - 77	72 - 79	70 - 77	150	45.7
160	48.8	65 - 79	60 - 77	70 - 79	65 - 77	74 - 79	70 - 77	160	48.8
170	51.8	65 - 79	60 - 77	70 - 79	65 - 77	76 - 79	72 - 77	170	51.8
180	54.9	70 - 79	65 - 77	70 - 79	70 - 77	76 - 79	72 - 77	180	54.9
190	57.9			72 - 79	70 - 77			190	57.9

Maximum Allowable Travel Specifications

777T

Boom No. 78TA With Heavy Lift Top

Machine Travel Downhill Without Load - Upper Facing Front									
44,400 Lb. Crane Counterweight									
Boom Length (not including jib)		Boom Angle Range In Degrees						Boom Length (not including jib)	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
42.5	13.0	30 - 55	30 - 55	30 - 72	30 - 72	30 - 79	30 - 77	42.5	13.0
60	18.3	30 - 65	30 - 65	30 - 78	30 - 77	30 - 79	30 - 77	60	18.3
70	21.3	30 - 70	30 - 70	30 - 79	30 - 77	35 - 79	40 - 77	70	21.3
80	24.4	30 - 72	30 - 72	30 - 79	30 - 77	50 - 79	50 - 77	80	24.4
90	27.4	30 - 74	30 - 74	30 - 79	35 - 77	55 - 79	60 - 77	90	27.4
100	30.5	30 - 76	35 - 76	40 - 79	45 - 77	60 - 79	65 - 77	100	30.5
110	33.5	40 - 78	45 - 77	50 - 79	55 - 77	65 - 79	70 - 77	110	33.5
120	36.6	45 - 78	50 - 77	55 - 79	60 - 77	70 - 79	70 - 77	120	36.6
130	39.6	50 - 79	55 - 77	60 - 79	60 - 77	70 - 79	72 - 77	130	39.6
140	42.7	60 - 79	60 - 77	60 - 79	65 - 77	72 - 79	74 - 77	140	42.7
150	45.7	60 - 79	65 - 77	65 - 79	70 - 77	74 - 79	76 - 77	150	45.7
160	48.8	65 - 79	70 - 77	70 - 79	70 - 77	76 - 79		160	48.8
170	51.8	65 - 79	70 - 77	70 - 79	72 - 77	76 - 79		170	51.8
180	54.9	70 - 79	70 - 77	70 - 79	74 - 77			180	54.9
190	57.9			72 - 79	76 - 77			190	57.9

Maximum Allowable Travel Specifications

777T

Boom No. 78TA With Heavy Lift Top

Machine Travel Uphill Without Load - Upper Facing Rear									
61,400 Lb. Crane Counterweight									
Boom Length (not including jib)		Boom Angle Range In Degrees						Boom Length (not including jib)	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
42.5	13.0	30 - 79	30 - 77	30 - 79	30 - 77	30 - 60	30 - 70	42.5	13.0
60	18.3	30 - 79	40 - 77	30 - 79	30 - 77	30 - 70	30 - 76	60	18.3
70	21.3	45 - 79	50 - 77	30 - 79	35 - 77	30 - 72	30 - 77	70	21.3
80	24.4	55 - 79	60 - 77	40 - 79	50 - 77	30 - 74	30 - 77	80	24.4
90	27.4	60 - 79	65 - 77	50 - 79	55 - 77	30 - 76	35 - 77	90	27.4
100	30.5	65 - 79	70 - 77	55 - 79	60 - 77	40 - 78	45 - 77	100	30.5
110	33.5	70 - 79	70 - 77	60 - 79	65 - 77	50 - 78	50 - 77	110	33.5
120	36.6	70 - 79	72 - 77	65 - 79	70 - 77	50 - 79	55 - 77	120	36.6
130	39.6	70 - 79	74 - 77	70 - 79	70 - 77	55 - 79	60 - 77	130	39.6
140	42.7	72 - 79	76 - 77	70 - 79	72 - 77	60 - 79	65 - 77	140	42.7
150	45.7	74 - 79		70 - 79	74 - 77	65 - 79	70 - 77	150	45.7
160	48.8	76 - 79		72 - 79	76 - 77	70 - 79	70 - 77	160	48.8
170	51.8	76 - 79		74 - 79	76 - 77	70 - 79	70 - 77	170	51.8
180	54.9	78 - 79		74 - 79		70 - 79	72 - 77	180	54.9
190	57.9			76 - 79		70 - 79	74 - 77	190	57.9
200	61.0			78 - 79		72 - 79	76 - 77	200	61.0
210	64.0					74 - 79	76 - 77	210	64.0
220	67.1					74 - 79		220	67.1
230	70.1					76 - 79		230	70.1

Maximum Allowable Travel Specifications

777T

Boom No. 78TA With Heavy Lift Top

Machine Travel Downhill Without Load - Upper Facing Rear									
61,400 Lb. Crane Counterweight									
Boom Length (not including jib)		Boom Angle Range In Degrees						Boom Length (not including jib)	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
42.5	13.0	30 - 79	30 - 77	30 - 79	30 - 77	30 - 60	30 - 50	42.5	13.0
60	18.3	30 - 79	30 - 77	30 - 79	30 - 77	30 - 70	30 - 60	60	18.3
70	21.3	45 - 79	35 - 77	30 - 79	30 - 77	30 - 72	30 - 65	70	21.3
80	24.4	50 - 79	45 - 77	40 - 79	35 - 77	30 - 74	30 - 70	80	24.4
90	27.4	60 - 79	50 - 77	50 - 79	45 - 77	30 - 76	30 - 72	90	27.4
100	30.5	60 - 79	60 - 77	55 - 79	50 - 77	35 - 76	30 - 72	100	30.5
110	33.5	65 - 79	60 - 77	60 - 79	55 - 77	45 - 78	40 - 74	110	33.5
120	36.6	70 - 79	65 - 77	65 - 79	60 - 77	50 - 78	45 - 74	120	36.6
130	39.6	70 - 79	65 - 77	65 - 79	60 - 77	55 - 79	50 - 76	130	39.6
140	42.7	72 - 79	70 - 77	70 - 79	65 - 77	60 - 79	55 - 76	140	42.7
150	45.7	74 - 79	70 - 77	70 - 79	70 - 77	65 - 79	60 - 77	150	45.7
160	48.8	76 - 79	72 - 77	72 - 79	70 - 77	65 - 79	60 - 77	160	48.8
170	51.8	76 - 79	72 - 77	72 - 79	70 - 77	70 - 79	65 - 77	170	51.8
180	54.9	78 - 79		74 - 79	70 - 77	70 - 79	65 - 77	180	54.9
190	57.9	78 - 79		76 - 79	72 - 77	70 - 79	70 - 77	190	57.9
200	61.0			76 - 79	72 - 77	72 - 79	70 - 77	200	61.0
210	64.0					72 - 79	70 - 77	210	64.0
220	67.1					74 - 79	70 - 77	220	67.1
230	70.1					74 - 79	72 - 77	230	70.1

Maximum Allowable Travel Specifications

777T

Boom No. 78TA With Heavy Lift Top

Machine Travel Uphill Without Load - Upper Facing Front									
61,400 Lb. Crane Counterweight									
Boom Length (not including jib)		Boom Angle Range In Degrees						Boom Length (not including jib)	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
42.5	13.0			30 - 45	30 - 35	30 - 79	30 - 74	42.5	13.0
60	18.3	30 - 50	30 - 40	30 - 60	30 - 55	30 - 79	30 - 77	60	18.3
70	21.3	30 - 55	30 - 50	30 - 65	30 - 60	30 - 79	30 - 77	70	21.3
80	24.4	30 - 60	30 - 55	30 - 65	30 - 60	30 - 79	30 - 77	80	24.4
90	27.4	30 - 60	30 - 60	30 - 72	30 - 65	45 - 79	40 - 77	90	27.4
100	30.5	30 - 65	30 - 60	30 - 74	30 - 70	50 - 79	45 - 77	100	30.5
110	33.5	30 - 70	30 - 65	40 - 76	35 - 72	60 - 79	50 - 77	110	33.5
120	36.6	35 - 72	30 - 65	45 - 76	40 - 72	60 - 79	55 - 77	120	36.6
130	39.6	45 - 72	40 - 70	50 - 78	45 - 74	65 - 79	60 - 77	130	39.6
140	42.7	50 - 74	45 - 70	55 - 78	50 - 74	70 - 79	60 - 77	140	42.7
150	45.7	55 - 76	50 - 72	60 - 79	55 - 76	70 - 79	65 - 77	150	45.7
160	48.8	60 - 78	55 - 74	65 - 79	60 - 76	70 - 79	70 - 77	160	48.8
170	51.8	60 - 78	60 - 74	65 - 79	60 - 77	72 - 79	70 - 77	170	51.8
180	54.9	65 - 78	60 - 76	70 - 79	65 - 77	74 - 79	70 - 77	180	54.9
190	57.9	70 - 79	65 - 76	70 - 79	65 - 77	76 - 79	72 - 77	190	57.9
200	61.0			70 - 79	70 - 77	76 - 79	72 - 77	200	61.0

Maximum Allowable Travel Specifications

777T

Boom No. 78TA With Heavy Lift Top

Machine Travel Downhill Without Load - Upper Facing Front									
61,400 Lb. Crane Counterweight									
Boom Length (not including jib)		Boom Angle Range In Degrees						Boom Length (not including jib)	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
42.5	13.0			30 - 45	30 - 55	30 - 79	30 - 77	42.5	13.0
60	18.3	30 - 50	30 - 55	30 - 60	30 - 70	30 - 79	30 - 77	60	18.3
70	21.3	30 - 55	30 - 60	30 - 65	30 - 72	30 - 79	30 - 77	70	21.3
80	24.4	30 - 60	30 - 65	30 - 70	30 - 76	35 - 79	40 - 77	80	24.4
90	27.4	30 - 65	30 - 70	30 - 72	30 - 77	45 - 79	50 - 77	90	27.4
100	30.5	30 - 65	30 - 74	30 - 74	35 - 77	50 - 79	60 - 77	100	30.5
110	33.5	30 - 70	35 - 76	40 - 76	45 - 77	60 - 79	60 - 77	110	33.5
120	36.6	35 - 72	40 - 76	45 - 78	50 - 77	60 - 79	65 - 77	120	36.6
130	39.6	45 - 74	50 - 77	50 - 78	55 - 77	65 - 79	70 - 77	130	39.6
140	42.7	50 - 76	55 - 77	60 - 79	60 - 77	70 - 79	70 - 77	140	42.7
150	45.7	55 - 76	60 - 77	60 - 79	65 - 77	70 - 79	72 - 77	150	45.7
160	48.8	60 - 78	65 - 77	65 - 79	70 - 77	72 - 79	74 - 77	160	48.8
170	51.8	60 - 78	65 - 77	65 - 79	70 - 77	72 - 79	76 - 77	170	51.8
180	54.9	65 - 79	70 - 77	70 - 79	70 - 77	74 - 79		180	54.9
190	57.9	70 - 79	70 - 77	70 - 79	72 - 77	76 - 79		190	57.9
200	61.0			72 - 79	74 - 77	78 - 79		200	61.0

Maximum Allowable Travel Specifications

777T

Boom No. 78TA With Heavy Lift Top

Machine Travel Uphill Without Load - Upper Facing Rear									
78,400 Lb. Crane Counterweight									
Boom Length (not including jib)		Boom Angle Range In Degrees						Boom Length (not including jib)	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
42.5	13.0	30 - 79	30 - 77	30 - 76	30 - 77			42.5	13.0
60	18.3	30 - 79	30 - 77	30 - 79	30 - 77	30 - 50	30 - 60	60	18.3
70	21.3	30 - 79	35 - 77	30 - 79	30 - 77	30 - 60	30 - 65	70	21.3
80	24.4	40 - 79	45 - 77	30 - 79	30 - 77	30 - 60	30 - 70	80	24.4
90	27.4	50 - 79	55 - 77	40 - 79	45 - 77	30 - 65	30 - 72	90	27.4
100	30.5	55 - 79	60 - 77	50 - 79	50 - 77	30 - 65	30 - 74	100	30.5
110	33.5	60 - 79	65 - 77	55 - 79	60 - 77	40 - 70	45 - 76	110	33.5
120	36.6	65 - 79	70 - 77	60 - 79	60 - 77	45 - 72	50 - 77	120	36.6
130	39.6	65 - 79	70 - 77	60 - 79	65 - 77	50 - 74	55 - 77	130	39.6
140	42.7	70 - 79	70 - 77	65 - 79	70 - 77	55 - 74	60 - 77	140	42.7
150	45.7	70 - 79	74 - 77	70 - 79	70 - 77	60 - 76	65 - 77	150	45.7
160	48.8	72 - 79	76 - 77	70 - 79	72 - 77	60 - 78	65 - 77	160	48.8
170	51.8	72 - 79	76 - 77	70 - 79	72 - 77	65 - 78	70 - 77	170	51.8
180	54.9	74 - 79		72 - 79	74 - 77	65 - 78	70 - 77	180	54.9
190	57.9	76 - 79		74 - 79	76 - 77	70 - 79	70 - 77	190	57.9
200	61.0	78 - 79		74 - 79		70 - 79	72 - 77	200	61.0
210	64.0	78 - 79		76 - 79		70 - 79	74 - 77	210	64.0
220	67.1			76 - 79		72 - 79	74 - 77	220	67.1
230	70.1					72 - 79	76 - 77	230	70.1
240	73.2					74 - 79		240	73.2

Maximum Allowable Travel Specifications

777T

Boom No. 78TA With Heavy Lift Top

Machine Travel Downhill Without Load - Upper Facing Rear									
78,400 Lb. Crane Counterweight									
Boom Length (not including jib)		Boom Angle Range In Degrees						Boom Length (not including jib)	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
42.5	13.0	30 - 79	30 - 77	30 - 74	30 - 65			42.5	13.0
60	18.3	30 - 79	30 - 77	30 - 78	30 - 72	30 - 50	30 - 45	60	18.3
70	21.3	30 - 79	30 - 77	30 - 79	30 - 74	30 - 55	30 - 50	70	21.3
80	24.4	40 - 79	30 - 77	30 - 79	30 - 76	30 - 60	30 - 55	80	24.4
90	27.4	50 - 79	40 - 77	40 - 79	30 - 77	30 - 65	30 - 60	90	27.4
100	30.5	55 - 79	50 - 77	45 - 79	40 - 77	30 - 65	30 - 60	100	30.5
110	33.5	60 - 79	55 - 77	50 - 79	50 - 77	35 - 70	30 - 65	110	33.5
120	36.6	60 - 79	60 - 77	55 - 79	50 - 77	40 - 72	35 - 65	120	36.6
130	39.6	65 - 79	60 - 77	60 - 79	55 - 77	50 - 72	45 - 70	130	39.6
140	42.7	70 - 79	65 - 77	65 - 79	60 - 77	55 - 74	50 - 70	140	42.7
150	45.7	70 - 79	65 - 77	70 - 79	60 - 77	60 - 76	55 - 70	150	45.7
160	48.8	70 - 79	70 - 77	70 - 79	65 - 77	60 - 76	60 - 70	160	48.8
170	51.8	72 - 79	70 - 77	70 - 79	65 - 77	65 - 76	60 - 74	170	51.8
180	54.9	74 - 79	70 - 77	70 - 79	70 - 77	65 - 78	60 - 74	180	54.9
190	57.9	74 - 79	72 - 77	72 - 79	70 - 77	70 - 78	65 - 76	190	57.9
200	61.0	76 - 79	72 - 77	74 - 79	70 - 77	70 - 79	65 - 76	200	61.0
210	64.0	78 - 79		74 - 79	72 - 77	70 - 79	70 - 76	210	64.0
220	67.1			76 - 79	72 - 77	70 - 79	70 - 76	220	67.1
230	70.1					72 - 79	70 - 77	230	70.1
240	73.2					74 - 79	70 - 77	240	73.2

Maximum Allowable Travel Specifications

777T

Boom No. 78TA With Heavy Lift Top

Machine Travel Uphill Without Load - Upper Facing Front									
78,400 Lb. Crane Counterweight									
Boom Length (not including jib)		Boom Angle Range In Degrees						Boom Length (not including jib)	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
42.5	13.0	30 - 40	30 - 40			30 - 60	30 - 50	42.5	13.0
60	18.3			30 - 40	30 - 35	30 - 70	30 - 60	60	18.3
70	21.3			30 - 50	30 - 45	30 - 72	30 - 65	70	21.3
80	24.4			30 - 45	30 - 50	30 - 74	30 - 70	80	24.4
90	27.4			30 - 50	30 - 55	30 - 76	30 - 72	90	27.4
100	30.5	30 - 55	30 - 50	30 - 65	30 - 60	40 - 78	35 - 74	100	30.5
110	33.5	30 - 60	30 - 55	30 - 65	30 - 60	50 - 79	45 - 76	110	33.5
120	36.6	30 - 60	30 - 60	35 - 70	30 - 65	55 - 79	50 - 76	120	36.6
130	39.6	35 - 65	30 - 60	45 - 72	40 - 65	60 - 79	55 - 77	130	39.6
140	42.7	45 - 65	40 - 65	50 - 72	45 - 70	60 - 79	60 - 77	140	42.7
150	45.7	50 - 70	45 - 65	55 - 74	50 - 70	65 - 79	60 - 77	150	45.7
160	48.8	55 - 72	50 - 65	60 - 76	55 - 72	70 - 79	65 - 77	160	48.8
170	51.8	60 - 74	55 - 70	60 - 76	60 - 74	70 - 79	65 - 77	170	51.8
180	54.9	60 - 74	55 - 72	65 - 78	60 - 74	70 - 79	70 - 77	180	54.9
190	57.9	65 - 76	60 - 72	70 - 78	65 - 76	72 - 79	70 - 77	190	57.9
200	61.0	65 - 76	60 - 74	70 - 78	65 - 76	74 - 79	70 - 77	200	61.0
210	64.0	70 - 78	65 - 74	70 - 79	70 - 76	76 - 79	72 - 77	210	64.0
220	67.1			70 - 79	70 - 77	76 - 79	72 - 77	220	67.1
230	70.1					76 - 79	74 - 77	230	70.1

Maximum Allowable Travel Specifications

777T

Boom No. 78TA With Heavy Lift Top

Machine Travel Downhill Without Load - Upper Facing Front									
78,400 Lb. Crane Counterweight									
Boom Length (not including jib)		Boom Angle Range In Degrees						Boom Length (not including jib)	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
42.5	13.0					30 - 60	30 - 70	42.5	13.0
60	18.3			30 - 45	30 - 50	30 - 72	30 - 77	60	18.3
70	21.3	30 - 40	30 - 50	30 - 50	30 - 60	30 - 74	30 - 77	70	21.3
80	24.4	30 - 50	30 - 55	30 - 55	30 - 65	30 - 76	30 - 77	80	24.4
90	27.4	30 - 55	30 - 60	30 - 60	30 - 65	30 - 78	40 - 77	90	27.4
100	30.5	30 - 60	30 - 65	30 - 65	30 - 72	45 - 79	50 - 77	100	30.5
110	33.5	30 - 60	30 - 65	30 - 65	35 - 74	50 - 79	55 - 77	110	33.5
120	36.6	30 - 65	30 - 70	40 - 70	40 - 76	55 - 79	60 - 77	120	36.6
130	39.6	40 - 65	40 - 72	45 - 72	50 - 76	60 - 79	65 - 77	130	39.6
140	42.7	45 - 70	50 - 74	50 - 74	55 - 77	65 - 79	70 - 77	140	42.7
150	45.7	50 - 72	55 - 76	60 - 76	60 - 77	70 - 79	70 - 77	150	45.7
160	48.8	55 - 74	60 - 77	60 - 76	65 - 77	70 - 79	72 - 77	160	48.8
170	51.8	60 - 74	60 - 77	60 - 78	65 - 77	70 - 79	72 - 77	170	51.8
180	54.9	60 - 76	65 - 77	65 - 78	70 - 77	72 - 79	74 - 77	180	54.9
190	57.9	65 - 76	70 - 77	70 - 78	70 - 77	72 - 79	76 - 77	190	57.9
200	61.0	70 - 78	70 - 77	70 - 79	72 - 77	74 - 79		200	61.0
210	64.0	70 - 78	70 - 77	70 - 79	74 - 77	76 - 79		210	64.0
220	67.1			72 - 79	74 - 77	76 - 79		220	67.1
230	70.1					78 - 79		230	70.1
240	73.2					78 - 79		240	73.2

Maximum Allowable Travel Specifications

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Boom No. 78TA With Heavy Lift Top

Machine Travel Uphill Without Load - Upper Facing Rear									
95,400 Lb. Crane Counterweight									
Boom Length (not including jib)		Boom Angle Range In Degrees						Boom Length (not including jib)	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
42.5	13.0	30 - 70	30 - 77	30 - 50	30 - 60			42.5	13.0
60	18.3	30 - 76	30 - 77	30 - 60	30 - 72			60	18.3
70	21.3	30 - 78	30 - 77	30 - 65	30 - 74	30 - 40	30 - 50	70	21.3
80	24.4	30 - 78	30 - 77	30 - 70	30 - 76	30 - 50	30 - 55	80	24.4
90	27.4	35 - 79	45 - 77	30 - 72	30 - 77	30 - 55	30 - 60	90	27.4
100	30.5	45 - 79	50 - 77	35 - 74	40 - 77	30 - 60	30 - 65	100	30.5
110	33.5	50 - 79	60 - 77	45 - 76	50 - 77	30 - 60	30 - 65	110	33.5
120	36.6	55 - 79	60 - 77	50 - 76	55 - 77	35 - 60	40 - 70	120	36.6
130	39.6	60 - 79	65 - 77	55 - 78	60 - 77	40 - 65	50 - 72	130	39.6
140	42.7	65 - 79	70 - 77	60 - 78	65 - 77	50 - 70	55 - 74	140	42.7
150	45.7	65 - 79	70 - 77	65 - 79	65 - 77	55 - 70	60 - 76	150	45.7
160	48.8	70 - 79	72 - 77	65 - 79	70 - 77	60 - 72	60 - 76	160	48.8
170	51.8	70 - 79	72 - 77	70 - 79	70 - 77	60 - 74	65 - 77	170	51.8
180	54.9	70 - 79	74 - 77	70 - 79	72 - 77	60 - 74	65 - 77	180	54.9
190	57.9	72 - 79	76 - 77	70 - 79	74 - 77	65 - 76	70 - 77	190	57.9
200	61.0	74 - 79		72 - 79	74 - 77	70 - 76	70 - 77	200	61.0
210	64.0	74 - 79		72 - 79	76 - 77	70 - 78	70 - 77	210	64.0
220	67.1	76 - 79		74 - 79	76 - 77	70 - 78	72 - 77	220	67.1
230	70.1	76 - 79		74 - 79		70 - 78	74 - 77	230	70.1
240	73.2			76 - 79		72 - 78	74 - 77	240	73.2
250	76.2					74 - 79	76 - 77	250	76.2
260	79.2					74 - 79		260	79.2

Maximum Allowable Travel Specifications

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Boom No. 78TA With Heavy Lift Top

Machine Travel Downhill Without Load - Upper Facing Rear									
95,400 Lb. Crane Counterweight									
Boom Length (not including jib)		Boom Angle Range In Degrees						Boom Length (not including jib)	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
42.5	13.0	30 - 65	30 - 60	30 - 50	30 - 40			42.5	13.0
60	18.3	30 - 74	30 - 65	30 - 60	30 - 55			60	18.3
70	21.3	30 - 76	30 - 72	30 - 65	30 - 60	30 - 40	30 - 35	70	21.3
80	24.4	30 - 78	30 - 72	30 - 70	30 - 60	30 - 50	30 - 40	80	24.4
90	27.4	35 - 78	30 - 74	30 - 72	30 - 65	30 - 50	30 - 50	90	27.4
100	30.5	45 - 79	40 - 76	35 - 74	30 - 70	30 - 55	30 - 50	100	30.5
110	33.5	50 - 79	45 - 76	45 - 74	40 - 70	30 - 60	30 - 55	110	33.5
120	36.6	55 - 79	50 - 77	50 - 76	40 - 72	30 - 60	30 - 60	120	36.6
130	39.6	60 - 79	55 - 77	55 - 76	50 - 74	40 - 65	35 - 60	130	39.6
140	42.7	65 - 79	60 - 77	60 - 78	55 - 74	50 - 65	40 - 60	140	42.7
150	45.7	65 - 79	60 - 77	60 - 78	60 - 76	55 - 70	50 - 65	150	45.7
160	48.8	70 - 79	65 - 77	65 - 79	60 - 76	60 - 72	50 - 65	160	48.8
170	51.8	70 - 79	65 - 77	65 - 79	60 - 76	60 - 72	55 - 65	170	51.8
180	54.9	70 - 79	70 - 77	70 - 79	65 - 77	60 - 74	60 - 70	180	54.9
190	57.9	72 - 79	70 - 77	70 - 79	65 - 77	65 - 74	60 - 72	190	57.9
200	61.0	74 - 79	70 - 77	70 - 79	70 - 77	65 - 76	60 - 72	200	61.0
210	64.0	74 - 79	70 - 77	72 - 79	70 - 77	70 - 76	65 - 72	210	64.0
220	67.1	76 - 79	72 - 77	72 - 79	70 - 77	70 - 76	65 - 74	220	67.1
230	70.1	76 - 79	72 - 77	74 - 79	70 - 77	70 - 78	70 - 74	230	70.1
240	73.2			76 - 79	72 - 77	72 - 78	70 - 74	240	73.2
250	76.2					72 - 78	70 - 76	250	76.2
260	79.2					74 - 78	70 - 76	260	79.2

Maximum Allowable Travel Specifications

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Boom No. 78TA With Heavy Lift Top

Machine Travel Uphill Without Load - Upper Facing Front									
95,400 Lb. Crane Counterweight									
Boom Length (not including jib)		Boom Angle Range In Degrees						Boom Length (not including jib)	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
60	18.3					30 - 50	30 - 45	60	18.3
70	21.3			30 - 35		30 - 60	30 - 50	70	21.3
80	24.4			30 - 40	30 - 35	30 - 60	30 - 55	80	24.4
90	27.4	30 - 40	30 - 35	30 - 50	30 - 45	30 - 65	30 - 60	90	27.4
100	30.5	30 - 45	30 - 40	30 - 55	30 - 50	30 - 70	30 - 65	100	30.5
110	33.5	30 - 50	30 - 50	30 - 60	30 - 55	40 - 72	35 - 65	110	33.5
120	36.6	30 - 55	30 - 50	30 - 60	30 - 55	45 - 74	40 - 70	120	36.6
130	39.6	30 - 60	30 - 55	35 - 60	30 - 60	50 - 74	45 - 70	130	39.6
140	42.7	40 - 60	30 - 55	45 - 65	40 - 60	60 - 76	50 - 72	140	42.7
150	45.7	45 - 65	40 - 60	50 - 70	45 - 65	60 - 78	55 - 74	150	45.7
160	48.8	50 - 65	45 - 60	55 - 70	50 - 65	65 - 78	60 - 74	160	48.8
170	51.8	55 - 65	50 - 65	60 - 72	55 - 65	65 - 78	60 - 76	170	51.8
180	54.9	60 - 70	50 - 65	60 - 74	55 - 70	70 - 79	65 - 76	180	54.9
190	57.9	60 - 72	55 - 65	65 - 74	60 - 72	70 - 79	65 - 76	190	57.9
200	61.0	65 - 72	60 - 70	65 - 76	60 - 72	70 - 79	70 - 77	200	61.0
210	64.0	65 - 74	60 - 70	70 - 76	65 - 74	72 - 79	70 - 77	210	64.0
220	67.1	70 - 74	65 - 72	70 - 76	65 - 74	74 - 79	70 - 77	220	67.1
230	70.1	70 - 76	65 - 72	70 - 78	70 - 74	74 - 79	70 - 77	230	70.1
240	73.2			72 - 78	70 - 76	76 - 79	72 - 77	240	73.2
250	76.2					76 - 79	74 - 77	250	76.2
260	79.2					78 - 79		260	79.2

Maximum Allowable Travel Specifications

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Boom No. 78TA With Heavy Lift Top

Machine Travel Downhill Without Load - Upper Facing Front									
95,400 Lb. Crane Counterweight									
Boom Length (not including jib)		Boom Angle Range In Degrees						Boom Length (not including jib)	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
42.5	13.0					30 - 35	30 - 45	42.5	13.0
60	18.3					30 - 55	30 - 60	60	18.3
70	21.3			30 - 35	30 - 45	30 - 60	30 - 65	70	21.3
80	24.4	30 - 35	30 - 40	30 - 45	30 - 50	30 - 65	30 - 72	80	24.4
90	27.4	30 - 40	30 - 50	30 - 50	30 - 55	30 - 65	30 - 74	90	27.4
100	30.5	30 - 50	30 - 55	30 - 55	30 - 60	30 - 70	40 - 76	100	30.5
110	33.5	30 - 50	30 - 60	30 - 60	30 - 65	40 - 72	50 - 77	110	33.5
120	36.6	30 - 55	30 - 60	30 - 60	35 - 65	50 - 74	50 - 77	120	36.6
130	39.6	30 - 60	35 - 65	40 - 65	45 - 70	55 - 76	60 - 77	130	39.6
140	42.7	40 - 60	45 - 65	45 - 65	50 - 72	60 - 76	60 - 77	140	42.7
150	45.7	45 - 65	50 - 70	50 - 70	55 - 76	60 - 78	65 - 77	150	45.7
160	48.8	50 - 65	55 - 72	55 - 72	60 - 76	65 - 79	70 - 77	160	48.8
170	51.8	55 - 70	60 - 74	60 - 72	60 - 77	70 - 79	70 - 77	170	51.8
180	54.9	60 - 72	60 - 76	60 - 74	65 - 77	70 - 79	72 - 77	180	54.9
190	57.9	60 - 72	65 - 76	65 - 76	70 - 77	70 - 79	74 - 77	190	57.9
200	61.0	65 - 74	70 - 77	70 - 76	70 - 77	72 - 79	74 - 77	200	61.0
210	64.0	65 - 74	70 - 77	70 - 78	70 - 77	74 - 79	76 - 77	210	64.0
220	67.1	70 - 76	70 - 77	70 - 78	72 - 77	74 - 79		220	67.1
230	70.1	70 - 76	70 - 77	70 - 78	74 - 77	76 - 79		230	70.1
240	73.2			72 - 79	74 - 77	76 - 79		240	73.2
250	76.2					78 - 79		250	76.2

Maximum Allowable Travel Specifications

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

Machine Travel Uphill Without Load - Upper Facing Rear									
0 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
100 + 30	30.5 + 9.1	Not Allowed		Not Allowed		74 - 79		100 + 30	30.5 + 9.1
100 + 40	30.5 + 12.2					74 - 79		100 + 40	30.5 + 12.2
100 + 50	30.5 + 15.2					76 - 79		100 + 50	30.5 + 15.2
100 + 60	30.5 + 18.3					76 - 79		100 + 60	30.5 + 18.3
100 + 70	30.5 + 21.3					78 - 79		100 + 70	30.5 + 21.3
100 + 80	30.5 + 24.4					78 - 79		100 + 80	30.5 + 24.4
110 + 30	33.5 + 9.1					78 - 79		110 + 30	33.5 + 9.1
110 + 40	33.5 + 12.2					78 - 79		110 + 40	33.5 + 12.2
110 + 50	33.5 + 15.2	78 - 79		110 + 50	33.5 + 15.2				
110 + 60	33.5 + 18.3	78 - 79		110 + 60	33.5 + 18.3				
110 + 70	33.5 + 21.3	78 - 79		110 + 70	33.5 + 21.3				

Machine Travel Downhill Without Load - Upper Facing Rear									
0 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
100 + 30	30.5 + 9.1	Not Allowed		Not Allowed		72 - 79	70 - 77	100 + 30	30.5 + 9.1
100 + 40	30.5 + 12.2					74 - 79	70 - 77	100 + 40	30.5 + 12.2
100 + 50	30.5 + 15.2					74 - 79	70 - 77	100 + 50	30.5 + 15.2
100 + 60	30.5 + 18.3					76 - 79	72 - 77	100 + 60	30.5 + 18.3
100 + 70	30.5 + 21.3					76 - 79	72 - 77	100 + 70	30.5 + 21.3
100 + 80	30.5 + 24.4					78 - 79		100 + 80	30.5 + 24.4
110 + 30	33.5 + 9.1					78 - 79		110 + 30	33.5 + 9.1
110 + 40	33.5 + 12.2					78 - 79		110 + 40	33.5 + 12.2
110 + 50	33.5 + 15.2					78 - 79		110 + 50	33.5 + 15.2
110 + 60	33.5 + 18.3					78 - 79		110 + 60	33.5 + 18.3
110 + 70	33.5 + 21.3					78 - 79		110 + 70	33.5 + 21.3
110 + 80	33.5 + 24.4					78 - 79		110 + 80	33.5 + 24.4
120 + 30	36.6 + 9.1					78 - 79		120 + 30	36.6 + 9.1
120 + 40	36.6 + 12.2					78 - 79		120 + 40	36.6 + 12.2
120 + 50	36.6 + 15.2	78 - 79		120 + 50	36.6 + 15.2				
120 + 60	36.6 + 18.3	78 - 79		120 + 60	36.6 + 18.3				
120 + 70	36.6 + 21.3	78 - 79		120 + 70	36.6 + 21.3				

Maximum Allowable Travel Specifications

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

Machine Travel Uphill Without Load - Upper Facing Front									
0 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
100 + 30	30.5 + 9.1	60 - 79	60 - 77	70 - 79	65 - 77	Not Allowed		100 + 30	30.5 + 9.1
100 + 40	30.5 + 12.2	65 - 79	60 - 77	70 - 79	65 - 77			100 + 40	30.5 + 12.2
100 + 50	30.5 + 15.2	65 - 79	60 - 77	70 - 79	65 - 77			100 + 50	30.5 + 15.2
100 + 60	30.5 + 18.3	65 - 79	60 - 77	70 - 79	70 - 77			100 + 60	30.5 + 18.3
100 + 70	30.5 + 21.3	*	*	70 - 79	70 - 77			100 + 70	30.5 + 21.3
100 + 80	30.5 + 24.4	*	*	72 - 79	70 - 77			100 + 80	30.5 + 24.4
110 + 30	33.5 + 9.1	65 - 79	60 - 77	72 - 79	70 - 77			110 + 30	33.5 + 9.1
110 + 40	33.5 + 12.2			72 - 79	70 - 77			110 + 40	33.5 + 12.2
110 + 50	33.5 + 15.2			72 - 79	70 - 77			110 + 50	33.5 + 15.2
110 + 60	33.5 + 18.3			72 - 79	70 - 77			110 + 60	33.5 + 18.3
110 + 70	33.5 + 21.3			74 - 79	70 - 77			110 + 70	33.5 + 21.3
120 + 30	36.6 + 9.1			74 - 79	70 - 77			120 + 30	36.6 + 9.1
120 + 40	36.6 + 12.2			74 - 79	70 - 77			120 + 40	36.6 + 12.2
120 + 50	36.6 + 15.2			74 - 79	70 - 77			120 + 50	36.6 + 15.2

Machine Travel Downhill Without Load - Upper Facing Front									
0 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
100 + 30	30.5 + 9.1	60 - 79	65 - 77	70 - 79	70 - 77	Not Allowed		100 + 30	30.5 + 9.1
100 + 40	30.5 + 12.2	65 - 79	70 - 77	70 - 79	72 - 77			100 + 40	30.5 + 12.2
100 + 50	30.5 + 15.2	65 - 79	70 - 77	70 - 79	74 - 77			100 + 50	30.5 + 15.2
100 + 60	30.5 + 18.3	70 - 79	70 - 77	72 - 79	74 - 77			100 + 60	30.5 + 18.3
100 + 70	30.5 + 21.3	*	*	72 - 79	76 - 77			100 + 70	30.5 + 21.3
100 + 80	30.5 + 24.4	*	*	74 - 79	76 - 77			100 + 80	30.5 + 24.4
110 + 30	33.5 + 9.1	70 - 79	70 - 77	74 - 79	76 - 77			110 + 30	33.5 + 9.1
110 + 40	33.5 + 12.2			74 - 79	76 - 77			110 + 40	33.5 + 12.2
110 + 50	33.5 + 15.2			74 - 79	76 - 77			110 + 50	33.5 + 15.2
110 + 60	33.5 + 18.3			74 - 79	76 - 77			110 + 60	33.5 + 18.3
110 + 70	33.5 + 21.3			74 - 79	*			110 + 70	33.5 + 21.3
120 + 30	36.6 + 9.1			74 - 79	76 - 77			120 + 30	36.6 + 9.1
120 + 40	36.6 + 12.2			74 - 79	76 - 77			120 + 40	36.6 + 12.2
120 + 50	36.6 + 15.2			74 - 79				120 + 50	36.6 + 15.2

Maximum Allowable Travel Specifications

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

Machine Travel Uphill Without Load - Upper Facing Rear													
10,400 Lb. Crane Counterweight													
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length					
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.							
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m				
100 + 30	30.5 + 9.1	Not Allowed		Not Allowed		70 - 79	74 - 77	100 + 30	30.5 + 9.1				
100 + 40	30.5 + 12.2					70 - 79	74 - 77	100 + 40	30.5 + 12.2				
100 + 50	30.5 + 15.2					72 - 79	76 - 77	100 + 50	30.5 + 15.2				
100 + 60	30.5 + 18.3					72 - 79	76 - 77	100 + 60	30.5 + 18.3				
100 + 70	30.5 + 21.3					74 - 79		100 + 70	30.5 + 21.3				
100 + 80	30.5 + 24.4					74 - 79		100 + 80	30.5 + 24.4				
110 + 30	33.5 + 9.1					Not Allowed		Not Allowed		74 - 79		110 + 30	33.5 + 9.1
110 + 40	33.5 + 12.2									74 - 79		110 + 40	33.5 + 12.2
110 + 50	33.5 + 15.2									74 - 79		110 + 50	33.5 + 15.2
110 + 60	33.5 + 18.3									74 - 79		110 + 60	33.5 + 18.3
110 + 70	33.5 + 21.3									76 - 79		110 + 70	33.5 + 21.3
110 + 80	33.5 + 24.4									76 - 79		110 + 80	33.5 + 24.4
120 + 30	36.6 + 9.1	Not Allowed		Not Allowed						76 - 79		120 + 30	36.6 + 9.1
120 + 40	36.6 + 12.2									76 - 79		120 + 40	36.6 + 12.2
120 + 50	36.6 + 15.2									76 - 79		120 + 50	36.6 + 15.2
120 + 60	36.6 + 18.3									76 - 79		120 + 60	36.6 + 18.3
120 + 70	36.6 + 21.3									76 - 79		120 + 70	36.6 + 21.3
120 + 80	36.6 + 24.4									78 - 79		120 + 80	36.6 + 24.4
130 + 30	39.6 + 9.1					Not Allowed		Not Allowed		78 - 79		130 + 30	39.6 + 9.1
130 + 40	39.6 + 12.2									78 - 79		130 + 40	39.6 + 12.2
130 + 50	39.6 + 15.2									78 - 79		130 + 50	39.6 + 15.2
130 + 60	39.6 + 18.3									78 - 79		130 + 60	39.6 + 18.3
130 + 70	39.6 + 21.3									78 - 79		130 + 70	39.6 + 21.3
130 + 80	39.6 + 24.4									78 - 79		130 + 80	39.6 + 24.4
140 + 30	42.7 + 9.1	Not Allowed		Not Allowed						78 - 79		140 + 30	42.7 + 9.1
140 + 40	42.7 + 12.2									78 - 79		140 + 40	42.7 + 12.2
140 + 50	42.7 + 15.2									78 - 79		140 + 50	42.7 + 15.2
140 + 60	42.7 + 18.3									78 - 79		140 + 60	42.7 + 18.3

Maximum Allowable Travel Specifications

777T

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

Machine Travel Downhill Without Load - Upper Facing Rear									
10,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
100 + 30	30.5 + 9.1	Not Allowed				70 - 79	65 - 77	100 + 30	30.5 + 9.1
100 + 40	30.5 + 12.2					70 - 79	70 - 77	100 + 40	30.5 + 12.2
100 + 50	30.5 + 15.2					70 - 79	70 - 77	100 + 50	30.5 + 15.2
100 + 60	30.5 + 18.3					72 - 79	70 - 77	100 + 60	30.5 + 18.3
100 + 70	30.5 + 21.3					74 - 79	70 - 77	100 + 70	30.5 + 21.3
100 + 80	30.5 + 24.4					74 - 79	70 - 77	100 + 80	30.5 + 24.4
110 + 30	33.5 + 9.1					74 - 79	70 - 77	110 + 30	33.5 + 9.1
110 + 40	33.5 + 12.2					74 - 79	70 - 77	110 + 40	33.5 + 12.2
110 + 50	33.5 + 15.2					74 - 79	70 - 77	110 + 50	33.5 + 15.2
110 + 60	33.5 + 18.3					74 - 79	70 - 77	110 + 60	33.5 + 18.3
110 + 70	33.5 + 21.3					76 - 79	72 - 77	110 + 70	33.5 + 21.3
110 + 80	33.5 + 24.4					76 - 79	72 - 77	110 + 80	33.5 + 24.4
120 + 30	36.6 + 9.1	Not Allowed				76 - 79	72 - 77	120 + 30	36.6 + 9.1
120 + 40	36.6 + 12.2					76 - 79	72 - 77	120 + 40	36.6 + 12.2
120 + 50	36.6 + 15.2					76 - 79	72 - 77	120 + 50	36.6 + 15.2
120 + 60	36.6 + 18.3					76 - 79	72 - 77	120 + 60	36.6 + 18.3
120 + 70	36.6 + 21.3					76 - 79	72 - 77	120 + 70	36.6 + 21.3
120 + 80	36.6 + 24.4					76 - 79	74 - 77	120 + 80	36.6 + 24.4
130 + 30	39.6 + 9.1					76 - 79	74 - 77	130 + 30	39.6 + 9.1
130 + 40	39.6 + 12.2					76 - 79	74 - 77	130 + 40	39.6 + 12.2
130 + 50	39.6 + 15.2	76 - 79	74 - 77	130 + 50	39.6 + 15.2				
130 + 60	39.6 + 18.3	76 - 79	74 - 77	130 + 60	39.6 + 18.3				
130 + 70	39.6 + 21.3	78 - 79		130 + 70	39.6 + 21.3				
130 + 80	39.6 + 24.4	78 - 79		130 + 80	39.6 + 24.4				
140 + 30	42.7 + 9.1					78 - 79		140 + 30	42.7 + 9.1
140 + 40	42.7 + 12.2					78 - 79		140 + 40	42.7 + 12.2
140 + 50	42.7 + 15.2					78 - 79		140 + 50	42.7 + 15.2
140 + 60	42.7 + 18.3					78 - 79		140 + 60	42.7 + 18.3
140 + 70	42.7 + 21.3					78 - 79		140 + 70	42.7 + 21.3

Maximum Allowable Travel Specifications

777T

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

Machine Travel Uphill Without Load - Upper Facing Front									
10,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
100 + 30	30.5 + 9.1	60 - 79	55 - 77	65 - 79	60 - 77	76 - 79	72 - 77	100 + 30	30.5 + 9.1
100 + 40	30.5 + 12.2	60 - 79	55 - 77	65 - 79	60 - 77	76 - 79	72 - 77	100 + 40	30.5 + 12.2
100 + 50	30.5 + 15.2	60 - 79	60 - 77	70 - 79	65 - 77	78 - 79		100 + 50	30.5 + 15.2
100 + 60	30.5 + 18.3	65 - 79	60 - 77	70 - 79	65 - 77	78 - 79		100 + 60	30.5 + 18.3
100 + 70	30.5 + 21.3	65 - 79	60 - 77	70 - 79	65 - 77			100 + 70	30.5 + 21.3
100 + 80	30.5 + 24.4	65 - 79	60 - 77	70 - 79	70 - 77			100 + 80	30.5 + 24.4
110 + 30	33.5 + 9.1	65 - 79	60 - 77	70 - 79	70 - 77			110 + 30	33.5 + 9.1
110 + 40	33.5 + 12.2	65 - 79	60 - 77	70 - 79	70 - 77			110 + 40	33.5 + 12.2
110 + 50	33.5 + 15.2	65 - 79	60 - 77	70 - 79	70 - 77			110 + 50	33.5 + 15.2
110 + 60	33.5 + 18.3	65 - 79	60 - 77	70 - 79	70 - 77			110 + 60	33.5 + 18.3
110 + 70	33.5 + 21.3	*	*	70 - 79	70 - 77			110 + 70	33.5 + 21.3
110 + 80	33.5 + 24.4	*	*	72 - 79	70 - 77			110 + 80	33.5 + 24.4
120 + 30	36.6 + 9.1	65 - 79	60 - 77	72 - 79	70 - 77			120 + 30	36.6 + 9.1
120 + 40	36.6 + 12.2	65 - 79	60 - 77	72 - 79	70 - 77			120 + 40	36.6 + 12.2
120 + 50	36.6 + 15.2			72 - 79	70 - 77			120 + 50	36.6 + 15.2
120 + 60	36.6 + 18.3			72 - 79	70 - 77			120 + 60	36.6 + 18.3
120 + 70	36.6 + 21.3			72 - 79	70 - 77			120 + 70	36.6 + 21.3
120 + 80	36.6 + 24.4			72 - 79	70 - 77			120 + 80	36.6 + 24.4
130 + 30	39.6 + 9.1			72 - 79	70 - 77			130 + 30	39.6 + 9.1
130 + 40	39.6 + 12.2			72 - 79	70 - 77			130 + 40	39.6 + 12.2
130 + 50	39.6 + 15.2			72 - 79	70 - 77			130 + 50	39.6 + 15.2

Maximum Allowable Travel Specifications

777T

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

Machine Travel Downhill Without Load - Upper Facing Front									
10,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
100 + 30	30.5 + 9.1	60 - 79	60 - 77	65 - 79	70 - 77	76 - 79		100 + 30	30.5 + 9.1
100 + 40	30.5 + 12.2	60 - 79	65 - 77	70 - 79	70 - 77	78 - 79		100 + 40	30.5 + 12.2
100 + 50	30.5 + 15.2	60 - 79	65 - 77	70 - 79	70 - 77	78 - 79		100 + 50	30.5 + 15.2
100 + 60	30.5 + 18.3	65 - 79	70 - 77	70 - 79	72 - 77			100 + 60	30.5 + 18.3
100 + 70	30.5 + 21.3	65 - 79	70 - 77	70 - 79	72 - 77			100 + 70	30.5 + 21.3
100 + 80	30.5 + 24.4	65 - 79	70 - 77	70 - 79	72 - 77			100 + 80	30.5 + 24.4
110 + 30	33.5 + 9.1	65 - 79	70 - 77	70 - 79	72 - 77			110 + 30	33.5 + 9.1
110 + 40	33.5 + 12.2	65 - 79	70 - 77	70 - 79	72 - 77			110 + 40	33.5 + 12.2
110 + 50	33.5 + 15.2	65 - 79	70 - 77	70 - 79	72 - 77			110 + 50	33.5 + 15.2
110 + 60	33.5 + 18.3	70 - 79	70 - 77	70 - 79	74 - 77			110 + 60	33.5 + 18.3
110 + 70	33.5 + 21.3	*	*	72 - 79	74 - 77			110 + 70	33.5 + 21.3
110 + 80	33.5 + 24.4	*	*	72 - 79	76 - 77			110 + 80	33.5 + 24.4
120 + 30	36.6 + 9.1	70 - 79	70 - 77	72 - 79	76 - 77			120 + 30	36.6 + 9.1
120 + 40	36.6 + 12.2	70 - 79	70 - 77	72 - 79	76 - 77			120 + 40	36.6 + 12.2
120 + 50	36.6 + 15.2			72 - 79	76 - 77			120 + 50	36.6 + 15.2
120 + 60	36.6 + 18.3			72 - 79	76 - 77			120 + 60	36.6 + 18.3
120 + 70	36.6 + 21.3			74 - 79	76 - 77			120 + 70	36.6 + 21.3
120 + 80	36.6 + 24.4			74 - 79	76 - 77			120 + 80	36.6 + 24.4
130 + 30	39.6 + 9.1			74 - 79	76 - 77			130 + 30	39.6 + 9.1
130 + 40	39.6 + 12.2			74 - 79	76 - 77			130 + 40	39.6 + 12.2
130 + 50	39.6 + 15.2			74 - 79	76 - 77			130 + 50	39.6 + 15.2

Maximum Allowable Travel Specifications

777T

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

Machine Travel Uphill Without Load - Upper Facing Rear									
27,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
100 + 30	30.5 + 9.1			74 - 79		65 - 79	70 - 77	100 + 30	30.5 + 9.1
100 + 40	30.5 + 12.2			76 - 79		65 - 79	70 - 77	100 + 40	30.5 + 12.2
100 + 50	30.5 + 15.2			76 - 79		70 - 79	70 - 77	100 + 50	30.5 + 15.2
100 + 60	30.5 + 18.3			78 - 79		70 - 79	70 - 77	100 + 60	30.5 + 18.3
100 + 70	30.5 + 21.3			78 - 79		70 - 79	72 - 77	100 + 70	30.5 + 21.3
100 + 80	30.5 + 24.4			78 - 79		70 - 79	72 - 77	100 + 80	30.5 + 24.4
110 + 30	33.5 + 9.1			78 - 79		70 - 79	72 - 77	110 + 30	33.5 + 9.1
110 + 40	33.5 + 12.2			78 - 79		70 - 79	72 - 77	110 + 40	33.5 + 12.2
110 + 50	33.5 + 15.2			78 - 79		70 - 79	72 - 77	110 + 50	33.5 + 15.2
110 + 60	33.5 + 18.3			78 - 79		70 - 79	74 - 77	110 + 60	33.5 + 18.3
110 + 70	33.5 + 21.3					70 - 79	74 - 77	110 + 70	33.5 + 21.3
110 + 80	33.5 + 24.4					72 - 79	76 - 77	110 + 80	33.5 + 24.4
120 + 30	36.6 + 9.1					72 - 79	76 - 77	120 + 30	36.6 + 9.1
120 + 40	36.6 + 12.2					72 - 79	76 - 77	120 + 40	36.6 + 12.2
120 + 50	36.6 + 15.2					72 - 79	76 - 77	120 + 50	36.6 + 15.2
120 + 60	36.6 + 18.3					72 - 79	76 - 77	120 + 60	36.6 + 18.3
120 + 70	36.6 + 21.3					72 - 79	76 - 77	120 + 70	36.6 + 21.3
120 + 80	36.6 + 24.4					74 - 79	76 - 77	120 + 80	36.6 + 24.4
130 + 30	39.6 + 9.1					74 - 79	76 - 77	130 + 30	39.6 + 9.1
130 + 40	39.6 + 12.2					74 - 79	76 - 77	130 + 40	39.6 + 12.2
130 + 50	39.6 + 15.2					74 - 79	76 - 77	130 + 50	39.6 + 15.2
130 + 60	39.6 + 18.3					74 - 79	76 - 77	130 + 60	39.6 + 18.3
130 + 70	39.6 + 21.3					74 - 79		130 + 70	39.6 + 21.3
130 + 80	39.6 + 24.4					74 - 79		130 + 80	39.6 + 24.4
140 + 30	42.7 + 9.1					74 - 79		140 + 30	42.7 + 9.1
140 + 40	42.7 + 12.2					74 - 79		140 + 40	42.7 + 12.2
140 + 50	42.7 + 15.2					74 - 79		140 + 50	42.7 + 15.2
140 + 60	42.7 + 18.3					76 - 79		140 + 60	42.7 + 18.3
140 + 70	42.7 + 21.3					76 - 79		140 + 70	42.7 + 21.3
140 + 80	42.7 + 24.4					76 - 79		140 + 80	42.7 + 24.4

Maximum Allowable Travel Specifications

777T

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

Machine Travel Uphill Without Load - Upper Facing Rear									
27,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
150 + 30	45.7 + 9.1					76 - 79		150 + 30	45.7 + 9.1
150 + 40	45.7 + 12.2					76 - 79		150 + 40	45.7 + 12.2
150 + 50	45.7 + 15.2					76 - 79		150 + 50	45.7 + 15.2
150 + 60	45.7 + 18.3					76 - 79		150 + 60	45.7 + 18.3
150 + 70	45.7 + 21.3					78 - 79		150 + 70	45.7 + 21.3
150 + 80	45.7 + 24.4					78 - 79		150 + 80	45.7 + 24.4
160 + 30	48.8 + 9.1					78 - 79		160 + 30	48.8 + 9.1
160 + 40	48.8 + 12.2					78 - 79		160 + 40	48.8 + 12.2
160 + 50	48.8 + 15.2					78 - 79		160 + 50	48.8 + 15.2
160 + 60	48.8 + 18.3					78 - 79		160 + 60	48.8 + 18.3
160 + 70	48.8 + 21.3					78 - 79		160 + 70	48.8 + 21.3
170 + 30	51.8 + 9.1					78 - 79		170 + 30	51.8 + 9.1
170 + 40	51.8 + 12.2					78 - 79		170 + 40	51.8 + 12.2
170 + 50	51.8 + 15.2					78 - 79		170 + 50	51.8 + 15.2
170 + 60	51.8 + 18.3					78 - 79		170 + 60	51.8 + 18.3
180 + 30	54.9 + 9.1					78 - 79		180 + 30	54.9 + 9.1
180 + 40	54.9 + 12.2					78 - 79		180 + 40	54.9 + 12.2

Maximum Allowable Travel Specifications

777T

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

Machine Travel Downhill Without Load - Upper Facing Rear											
27,400 Lb. Crane Counterweight											
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length			
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.					
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m		
100 + 30	30.5 + 9.1	78 - 79		74 - 79	70 - 77	65 - 79	60 - 77	100 + 30	30.5 + 9.1		
100 + 40	30.5 + 12.2			74 - 79	70 - 77	65 - 79	60 - 77	100 + 40	30.5 + 12.2		
100 + 50	30.5 + 15.2			76 - 79	72 - 77	65 - 79	60 - 77	100 + 50	30.5 + 15.2		
100 + 60	30.5 + 18.3			76 - 79	72 - 77	70 - 79	65 - 77	100 + 60	30.5 + 18.3		
100 + 70	30.5 + 21.3			78 - 79		70 - 79	65 - 77	100 + 70	30.5 + 21.3		
100 + 80	30.5 + 24.4			78 - 79		70 - 79	65 - 77	100 + 80	30.5 + 24.4		
110 + 30	33.5 + 9.1			78 - 79		70 - 79	65 - 77	110 + 30	33.5 + 9.1		
110 + 40	33.5 + 12.2			78 - 79		70 - 79	65 - 77	110 + 40	33.5 + 12.2		
110 + 50	33.5 + 15.2			78 - 79		70 - 79	65 - 77	110 + 50	33.5 + 15.2		
110 + 60	33.5 + 18.3			78 - 79		70 - 79	65 - 77	110 + 60	33.5 + 18.3		
110 + 70	33.5 + 21.3			78 - 79		70 - 79	70 - 77	110 + 70	33.5 + 21.3		
110 + 80	33.5 + 24.4						70 - 79	70 - 77	110 + 80	33.5 + 24.4	
120 + 30	36.6 + 9.1					70 - 79	70 - 77	120 + 30	36.6 + 9.1		
120 + 40	36.6 + 12.2					70 - 79	70 - 77	120 + 40	36.6 + 12.2		
120 + 50	36.6 + 15.2					70 - 79	70 - 77	120 + 50	36.6 + 15.2		
120 + 60	36.6 + 18.3					70 - 79	70 - 77	120 + 60	36.6 + 18.3		
120 + 70	36.6 + 21.3							72 - 79	70 - 77	120 + 70	36.6 + 21.3
120 + 80	36.6 + 24.4							72 - 79	70 - 77	120 + 80	36.6 + 24.4
130 + 30	39.6 + 9.1					72 - 79	70 - 77	130 + 30	39.6 + 9.1		
130 + 40	39.6 + 12.2					72 - 79	70 - 77	130 + 40	39.6 + 12.2		
130 + 50	39.6 + 15.2					72 - 79	70 - 77	130 + 50	39.6 + 15.2		
130 + 60	39.6 + 18.3					72 - 79	70 - 77	130 + 60	39.6 + 18.3		
130 + 70	39.6 + 21.3							74 - 79	70 - 77	130 + 70	39.6 + 21.3
130 + 80	39.6 + 24.4							74 - 79	70 - 77	130 + 80	39.6 + 24.4
140 + 30	42.7 + 9.1					74 - 79	70 - 77	140 + 30	42.7 + 9.1		
140 + 40	42.7 + 12.2					74 - 79	70 - 77	140 + 40	42.7 + 12.2		
140 + 50	42.7 + 15.2					74 - 79	70 - 77	140 + 50	42.7 + 15.2		
140 + 60	42.7 + 18.3					74 - 79	70 - 77	140 + 60	42.7 + 18.3		
140 + 70	42.7 + 21.3							74 - 79	72 - 77	140 + 70	42.7 + 21.3
140 + 80	42.7 + 24.4							76 - 79	72 - 77	140 + 80	42.7 + 24.4

Maximum Allowable Travel Specifications

777T

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

Machine Travel Downhill Without Load - Upper Facing Rear									
27,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
150 + 30	45.7 + 9.1					76 - 79	72 - 77	150 + 30	45.7 + 9.1
150 + 40	45.7 + 12.2					76 - 79	72 - 77	150 + 40	45.7 + 12.2
150 + 50	45.7 + 15.2					76 - 79	72 - 77	150 + 50	45.7 + 15.2
150 + 60	45.7 + 18.3					76 - 79	72 - 77	150 + 60	45.7 + 18.3
150 + 70	45.7 + 21.3					76 - 79	72 - 77	150 + 70	45.7 + 21.3
150 + 80	45.7 + 24.4					78 - 79		150 + 80	45.7 + 24.4
160 + 30	48.8 + 9.1					78 - 79		160 + 30	48.8 + 9.1
160 + 40	48.8 + 12.2					78 - 79		160 + 40	48.8 + 12.2
160 + 50	48.8 + 15.2					78 - 79		160 + 50	48.8 + 15.2
160 + 60	48.8 + 18.3					78 - 79		160 + 60	48.8 + 18.3
160 + 70	48.8 + 21.3					78 - 79		160 + 70	48.8 + 21.3
160 + 80	48.8 + 24.4					78 - 79		160 + 80	48.8 + 24.4
170 + 30	51.8 + 9.1					78 - 79		170 + 30	51.8 + 9.1
170 + 40	51.8 + 12.2					78 - 79		170 + 40	51.8 + 12.2
170 + 50	51.8 + 15.2					78 - 79		170 + 50	51.8 + 15.2
170 + 60	51.8 + 18.3					78 - 79		170 + 60	51.8 + 18.3
180 + 30	54.9 + 9.1					78 - 79		180 + 30	54.9 + 9.1
180 + 40	54.9 + 12.2					78 - 79		180 + 40	54.9 + 12.2

Maximum Allowable Travel Specifications

777T

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

Machine Travel Uphill Without Load - Upper Facing Front									
27,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
100 + 30	30.5 + 9.1	50 - 79	45 - 77	60 - 79	55 - 77	70 - 79	70 - 77	100 + 30	30.5 + 9.1
100 + 40	30.5 + 12.2	50 - 79	50 - 77	60 - 79	55 - 77	70 - 79	70 - 77	100 + 40	30.5 + 12.2
100 + 50	30.5 + 15.2	55 - 79	50 - 77	60 - 79	55 - 77	72 - 79	70 - 77	100 + 50	30.5 + 15.2
100 + 60	30.5 + 18.3	55 - 79	50 - 77	65 - 79	60 - 77	74 - 79	70 - 77	100 + 60	30.5 + 18.3
100 + 70	30.5 + 21.3	60 - 79	55 - 77	65 - 79	60 - 77	74 - 79	70 - 77	100 + 70	30.5 + 21.3
100 + 80	30.5 + 24.4	60 - 79	55 - 77	65 - 79	60 - 77	74 - 79	72 - 77	100 + 80	30.5 + 24.4
110 + 30	33.5 + 9.1	60 - 79	55 - 77	65 - 79	60 - 77	74 - 79	72 - 77	110 + 30	33.5 + 9.1
110 + 40	33.5 + 12.2	60 - 79	55 - 77	65 - 79	60 - 77	74 - 79	72 - 77	110 + 40	33.5 + 12.2
110 + 50	33.5 + 15.2	60 - 79	55 - 77	65 - 79	60 - 77	74 - 79	72 - 77	110 + 50	33.5 + 15.2
110 + 60	33.5 + 18.3	60 - 79	60 - 77	65 - 79	60 - 77	76 - 79	72 - 77	110 + 60	33.5 + 18.3
110 + 70	33.5 + 21.3	60 - 79	60 - 77	70 - 79	65 - 77	76 - 79	72 - 77	110 + 70	33.5 + 21.3
110 + 80	33.5 + 24.4	65 - 79	60 - 77	70 - 79	65 - 77	76 - 79	74 - 77	110 + 80	33.5 + 24.4
120 + 30	36.6 + 9.1	65 - 79	60 - 77	70 - 79	65 - 77	76 - 79	74 - 77	120 + 30	36.6 + 9.1
120 + 40	36.6 + 12.2	65 - 79	60 - 77	70 - 79	65 - 77	76 - 79	74 - 77	120 + 40	36.6 + 12.2
120 + 50	36.6 + 15.2	65 - 79	60 - 77	70 - 79	65 - 77	76 - 79	74 - 77	120 + 50	36.6 + 15.2
120 + 60	36.6 + 18.3	65 - 79	60 - 77	70 - 79	65 - 77	76 - 79	74 - 77	120 + 60	36.6 + 18.3
120 + 70	36.6 + 21.3	65 - 79	60 - 77	70 - 79	65 - 77	78 - 79		120 + 70	36.6 + 21.3
120 + 80	36.6 + 24.4	65 - 79	60 - 77	70 - 79	70 - 77	78 - 79		120 + 80	36.6 + 24.4
130 + 30	39.6 + 9.1	65 - 79	60 - 77	70 - 79	70 - 77	78 - 79		130 + 30	39.6 + 9.1
130 + 40	39.6 + 12.2	65 - 79	60 - 77	70 - 79	70 - 77	78 - 79		130 + 40	39.6 + 12.2
130 + 50	39.6 + 15.2	65 - 79	60 - 77	70 - 79	70 - 77	78 - 79		130 + 50	39.6 + 15.2
130 + 60	39.6 + 18.3	70 - 79	65 - 77	70 - 79	70 - 77	78 - 79		130 + 60	39.6 + 18.3
130 + 70	39.6 + 21.3	70 - 79	65 - 77	70 - 79	70 - 77	78 - 79		130 + 70	39.6 + 21.3
130 + 80	39.6 + 24.4			72 - 79	70 - 77			130 + 80	39.6 + 24.4
140 + 30	42.7 + 9.1			72 - 79	70 - 77			140 + 30	42.7 + 9.1
140 + 40	42.7 + 12.2			72 - 79	70 - 77			140 + 40	42.7 + 12.2
140 + 50	42.7 + 15.2			72 - 79	70 - 77			140 + 50	42.7 + 15.2
140 + 60	42.7 + 18.3			72 - 79	70 - 77			140 + 60	42.7 + 18.3
140 + 70	42.7 + 21.3			72 - 79	70 - 77			140 + 70	42.7 + 21.3
150 + 30	45.7 + 9.1			72 - 79	70 - 77			150 + 30	45.7 + 9.1
150 + 40	45.7 + 12.2			72 - 79	70 - 77			150 + 40	45.7 + 12.2

Maximum Allowable Travel Specifications

777T

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

Machine Travel Downhill Without Load - Upper Facing Front									
27,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
100 + 30	30.5 + 9.1	50 - 79	55 - 77	60 - 79	60 - 77	70 - 79	74 - 77	100 + 30	30.5 + 9.1
100 + 40	30.5 + 12.2	55 - 79	60 - 77	60 - 79	65 - 77	72 - 79	76 - 77	100 + 40	30.5 + 12.2
100 + 50	30.5 + 15.2	55 - 79	60 - 77	60 - 79	65 - 77	72 - 79	76 - 77	100 + 50	30.5 + 15.2
100 + 60	30.5 + 18.3	60 - 79	60 - 77	65 - 79	70 - 77	74 - 79		100 + 60	30.5 + 18.3
100 + 70	30.5 + 21.3	60 - 79	65 - 77	65 - 79	70 - 77	76 - 79		100 + 70	30.5 + 21.3
100 + 80	30.5 + 24.4	60 - 79	65 - 77	70 - 79	70 - 77	76 - 79		100 + 80	30.5 + 24.4
110 + 30	33.5 + 9.1	60 - 79	65 - 77	70 - 79	70 - 77	76 - 79		110 + 30	33.5 + 9.1
110 + 40	33.5 + 12.2	60 - 79	65 - 77	70 - 79	70 - 77	76 - 79		110 + 40	33.5 + 12.2
110 + 50	33.5 + 15.2	60 - 79	65 - 77	70 - 79	70 - 77	76 - 79		110 + 50	33.5 + 15.2
110 + 60	33.5 + 18.3	60 - 79	65 - 77	70 - 79	70 - 77	76 - 79		110 + 60	33.5 + 18.3
110 + 70	33.5 + 21.3	65 - 79	70 - 77	70 - 79	70 - 77	78 - 79		110 + 70	33.5 + 21.3
110 + 80	33.5 + 24.4	65 - 79	70 - 77	70 - 79	72 - 77	78 - 79		110 + 80	33.5 + 24.4
120 + 30	36.6 + 9.1	65 - 79	70 - 77	70 - 79	72 - 77	78 - 79		120 + 30	36.6 + 9.1
120 + 40	36.6 + 12.2	65 - 79	70 - 77	70 - 79	72 - 77	78 - 79		120 + 40	36.6 + 12.2
120 + 50	36.6 + 15.2	65 - 79	70 - 77	70 - 79	72 - 77	78 - 79		120 + 50	36.6 + 15.2
120 + 60	36.6 + 18.3	65 - 79	70 - 77	70 - 79	72 - 77	78 - 79		120 + 60	36.6 + 18.3
120 + 70	36.6 + 21.3	65 - 79	70 - 77	70 - 79	72 - 77	78 - 79		120 + 70	36.6 + 21.3
120 + 80	36.6 + 24.4	70 - 79	70 - 77	70 - 79	74 - 77			120 + 80	36.6 + 24.4
130 + 30	39.6 + 9.1	70 - 79	70 - 77	70 - 79	74 - 77			130 + 30	39.6 + 9.1
130 + 40	39.6 + 12.2	70 - 79	70 - 77	70 - 79	74 - 77			130 + 40	39.6 + 12.2
130 + 50	39.6 + 15.2	70 - 79	70 - 77	70 - 79	74 - 77			130 + 50	39.6 + 15.2
130 + 60	39.6 + 18.3	70 - 79	70 - 77	70 - 79	74 - 77			130 + 60	39.6 + 18.3
130 + 70	39.6 + 21.3	70 - 79	70 - 77	72 - 79	74 - 77			130 + 70	39.6 + 21.3
130 + 80	39.6 + 24.4			72 - 79	76 - 77			130 + 80	39.6 + 24.4
140 + 30	42.7 + 9.1			72 - 79	76 - 77			140 + 30	42.7 + 9.1
140 + 40	42.7 + 12.2			72 - 79	76 - 77			140 + 40	42.7 + 12.2
140 + 50	42.7 + 15.2			72 - 79	76 - 77			140 + 50	42.7 + 15.2
140 + 60	42.7 + 18.3			72 - 79	76 - 77			140 + 60	42.7 + 18.3
140 + 70	42.7 + 21.3			74 - 79	76 - 77			140 + 70	42.7 + 21.3
150 + 30	45.7 + 9.1			74 - 79	76 - 77			150 + 30	45.7 + 9.1
150 + 40	45.7 + 12.2			74 - 79	76 - 77			150 + 40	45.7 + 12.2

Maximum Allowable Travel Specifications

777T

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

Machine Travel Uphill Without Load - Upper Facing Rear									
44,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
100 + 30	30.5 + 9.1	74 - 79		70 - 79	72 - 77	60 - 79	60 - 77	100 + 30	30.5 + 9.1
100 + 40	30.5 + 12.2	74 - 79		70 - 79	72 - 77	60 - 79	65 - 77	100 + 40	30.5 + 12.2
100 + 50	30.5 + 15.2	76 - 79		70 - 79	74 - 77	60 - 79	65 - 77	100 + 50	30.5 + 15.2
100 + 60	30.5 + 18.3	76 - 79		72 - 79	74 - 77	60 - 79	65 - 77	100 + 60	30.5 + 18.3
100 + 70	30.5 + 21.3	78 - 79		72 - 79	76 - 77	65 - 79	70 - 77	100 + 70	30.5 + 21.3
100 + 80	30.5 + 24.4	78 - 79		74 - 79	76 - 77	65 - 79	70 - 77	100 + 80	30.5 + 24.4
110 + 30	33.5 + 9.1	78 - 79		74 - 79	76 - 77	65 - 79	70 - 77	110 + 30	33.5 + 9.1
110 + 40	33.5 + 12.2	78 - 79		74 - 79	76 - 77	65 - 79	70 - 77	110 + 40	33.5 + 12.2
110 + 50	33.5 + 15.2	78 - 79		74 - 79	76 - 77	65 - 79	70 - 77	110 + 50	33.5 + 15.2
110 + 60	33.5 + 18.3	78 - 79		74 - 79		65 - 79	70 - 77	110 + 60	33.5 + 18.3
110 + 70	33.5 + 21.3	78 - 79		74 - 79		70 - 79	70 - 77	110 + 70	33.5 + 21.3
110 + 80	33.5 + 24.4			76 - 79		70 - 79	70 - 77	110 + 80	33.5 + 24.4
120 + 30	36.6 + 9.1			76 - 79		70 - 79	70 - 77	120 + 30	36.6 + 9.1
120 + 40	36.6 + 12.2			76 - 79		70 - 79	70 - 77	120 + 40	36.6 + 12.2
120 + 50	36.6 + 15.2			76 - 79		70 - 79	70 - 77	120 + 50	36.6 + 15.2
120 + 60	36.6 + 18.3			76 - 79		70 - 79	70 - 77	120 + 60	36.6 + 18.3
120 + 70	36.6 + 21.3			76 - 79		70 - 79	70 - 77	120 + 70	36.6 + 21.3
120 + 80	36.6 + 24.4			76 - 79		70 - 79	72 - 77	120 + 80	36.6 + 24.4
130 + 30	39.6 + 9.1			76 - 79		70 - 79	72 - 77	130 + 30	39.6 + 9.1
130 + 40	39.6 + 12.2			76 - 79		70 - 79	72 - 77	130 + 40	39.6 + 12.2
130 + 50	39.6 + 15.2			76 - 79		70 - 79	72 - 77	130 + 50	39.6 + 15.2
130 + 60	39.6 + 18.3			76 - 79		70 - 79	72 - 77	130 + 60	39.6 + 18.3
130 + 70	39.6 + 21.3			78 - 79		70 - 79	74 - 77	130 + 70	39.6 + 21.3
130 + 80	39.6 + 24.4			78 - 79		70 - 79	74 - 77	130 + 80	39.6 + 24.4
140 + 30	42.7 + 9.1			78 - 79		70 - 79	74 - 77	140 + 30	42.7 + 9.1
140 + 40	42.7 + 12.2			78 - 79		70 - 79	74 - 77	140 + 40	42.7 + 12.2
140 + 50	42.7 + 15.2			78 - 79		70 - 79	74 - 77	140 + 50	42.7 + 15.2
140 + 60	42.7 + 18.3			78 - 79		70 - 79	74 - 77	140 + 60	42.7 + 18.3
140 + 70	42.7 + 21.3			78 - 79		72 - 79	76 - 77	140 + 70	42.7 + 21.3
140 + 80	42.7 + 24.4					72 - 79	76 - 77	140 + 80	42.7 + 24.4

Maximum Allowable Travel Specifications

777T

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

Machine Travel Uphill Without Load - Upper Facing Rear									
44,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
150 + 30	45.7 + 9.1					72 - 79	76 - 77	150 + 30	45.7 + 9.1
150 + 40	45.7 + 12.2					72 - 79	76 - 77	150 + 40	45.7 + 12.2
150 + 50	45.7 + 15.2					72 - 79	76 - 77	150 + 50	45.7 + 15.2
150 + 60	45.7 + 18.3					72 - 79	76 - 77	150 + 60	45.7 + 18.3
150 + 70	45.7 + 21.3					74 - 79	76 - 77	150 + 70	45.7 + 21.3
150 + 80	45.7 + 24.4					74 - 79		150 + 80	45.7 + 24.4
160 + 30	48.8 + 9.1					74 - 79		160 + 30	48.8 + 9.1
160 + 40	48.8 + 12.2					74 - 79		160 + 40	48.8 + 12.2
160 + 50	48.8 + 15.2					74 - 79		160 + 50	48.8 + 15.2
160 + 60	48.8 + 18.3					74 - 79		160 + 60	48.8 + 18.3
160 + 70	48.8 + 21.3					76 - 79		160 + 70	48.8 + 21.3
160 + 80	48.8 + 24.4					76 - 79		160 + 80	48.8 + 24.4
170 + 30	51.8 + 9.1					76 - 79		170 + 30	51.8 + 9.1
170 + 40	51.8 + 12.2					76 - 79		170 + 40	51.8 + 12.2
170 + 50	51.8 + 15.2					76 - 79		170 + 50	51.8 + 15.2
170 + 60	51.8 + 18.3					76 - 79		170 + 60	51.8 + 18.3
170 + 70	51.8 + 21.3					76 - 79		170 + 70	51.8 + 21.3
170 + 80	51.8 + 24.4					76 - 79		170 + 80	51.8 + 24.4
180 + 30	54.9 + 9.1					76 - 79		180 + 30	54.9 + 9.1
180 + 40	54.9 + 12.2					76 - 79		180 + 40	54.9 + 12.2
180 + 50	54.9 + 15.2					76 - 79		180 + 50	54.9 + 15.2
180 + 60	54.9 + 18.3					76 - 79		180 + 60	54.9 + 18.3
180 + 70	54.9 + 21.3					78 - 79		180 + 70	54.9 + 21.3
180 + 80	54.9 + 24.4					78 - 79		180 + 80	54.9 + 24.4
190 + 30	57.9 + 9.1					78 - 79		190 + 30	57.9 + 9.1
190 + 40	57.9 + 12.2					78 - 79		190 + 40	57.9 + 12.2
190 + 50	57.9 + 15.2					78 - 79		190 + 50	57.9 + 15.2

Maximum Allowable Travel Specifications

777T

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

Machine Travel Downhill Without Load - Upper Facing Rear									
44,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
100 + 30	30.5 + 9.1	72 - 79	76 - 77	70 - 79	65 - 77	55 - 79	50 - 77	100 + 30	30.5 + 9.1
100 + 40	30.5 + 12.2	74 - 79		70 - 79	65 - 77	60 - 79	55 - 77	100 + 40	30.5 + 12.2
100 + 50	30.5 + 15.2	74 - 79		70 - 79	65 - 77	60 - 79	55 - 77	100 + 50	30.5 + 15.2
100 + 60	30.5 + 18.3	76 - 79		70 - 79	70 - 77	60 - 79	60 - 77	100 + 60	30.5 + 18.3
100 + 70	30.5 + 21.3	76 - 79		72 - 79	70 - 77	65 - 79	60 - 77	100 + 70	30.5 + 21.3
100 + 80	30.5 + 24.4	78 - 79		72 - 79	70 - 77	65 - 79	60 - 77	100 + 80	30.5 + 24.4
110 + 30	33.5 + 9.1	78 - 79		72 - 79	70 - 77	65 - 79	60 - 77	110 + 30	33.5 + 9.1
110 + 40	33.5 + 12.2	78 - 79		72 - 79	70 - 77	65 - 79	60 - 77	110 + 40	33.5 + 12.2
110 + 50	33.5 + 15.2	78 - 79		72 - 79	70 - 77	65 - 79	60 - 77	110 + 50	33.5 + 15.2
110 + 60	33.5 + 18.3	78 - 79		72 - 79	70 - 77	65 - 79	60 - 77	110 + 60	33.5 + 18.3
110 + 70	33.5 + 21.3	78 - 79		74 - 79	70 - 77	65 - 79	60 - 77	110 + 70	33.5 + 21.3
110 + 80	33.5 + 24.4	78 - 79		74 - 79	70 - 77	70 - 79	65 - 77	110 + 80	33.5 + 24.4
120 + 30	36.6 + 9.1	78 - 79		74 - 79	70 - 77	70 - 79	65 - 77	120 + 30	36.6 + 9.1
120 + 40	36.6 + 12.2	78 - 79		74 - 79	70 - 77	70 - 79	65 - 77	120 + 40	36.6 + 12.2
120 + 50	36.6 + 15.2	78 - 79		74 - 79	70 - 77	70 - 79	65 - 77	120 + 50	36.6 + 15.2
120 + 60	36.6 + 18.3	78 - 79		74 - 79	70 - 77	70 - 79	65 - 77	120 + 60	36.6 + 18.3
120 + 70	36.6 + 21.3	78 - 79		74 - 79	70 - 77	70 - 79	65 - 77	120 + 70	36.6 + 21.3
120 + 80	36.6 + 24.4			76 - 79	72 - 77	70 - 79	65 - 77	120 + 80	36.6 + 24.4
130 + 30	39.6 + 9.1			76 - 79	72 - 77	70 - 79	65 - 77	130 + 30	39.6 + 9.1
130 + 40	39.6 + 12.2			76 - 79	72 - 77	70 - 79	65 - 77	130 + 40	39.6 + 12.2
130 + 50	39.6 + 15.2			76 - 79	72 - 77	70 - 79	65 - 77	130 + 50	39.6 + 15.2
130 + 60	39.6 + 18.3			76 - 79	72 - 77	70 - 79	65 - 77	130 + 60	39.6 + 18.3
130 + 70	39.6 + 21.3			76 - 79	72 - 77	70 - 79	65 - 77	130 + 70	39.6 + 21.3
130 + 80	39.6 + 24.4			78 - 79		70 - 79	70 - 77	130 + 80	39.6 + 24.4
140 + 30	42.7 + 9.1			78 - 79		70 - 79	70 - 77	140 + 30	42.7 + 9.1
140 + 40	42.7 + 12.2			78 - 79		70 - 79	70 - 77	140 + 40	42.7 + 12.2
140 + 50	42.7 + 15.2			78 - 79		70 - 79	70 - 77	140 + 50	42.7 + 15.2
140 + 60	42.7 + 18.3			78 - 79		70 - 79	70 - 77	140 + 60	42.7 + 18.3
140 + 70	42.7 + 21.3			78 - 79		72 - 79	70 - 77	140 + 70	42.7 + 21.3
140 + 80	42.7 + 24.4			78 - 79		72 - 79	70 - 77	140 + 80	42.7 + 24.4

Maximum Allowable Travel Specifications

777T

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

Machine Travel Downhill Without Load - Upper Facing Rear									
44,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
150 + 30	45.7 + 9.1			78 - 79		72 - 79	70 - 77	150 + 30	45.7 + 9.1
150 + 40	45.7 + 12.2			78 - 79		72 - 79	70 - 77	150 + 40	45.7 + 12.2
150 + 50	45.7 + 15.2			78 - 79		72 - 79	70 - 77	150 + 50	45.7 + 15.2
150 + 60	45.7 + 18.3			78 - 79		72 - 79	70 - 77	150 + 60	45.7 + 18.3
150 + 70	45.7 + 21.3					72 - 79	70 - 77	150 + 70	45.7 + 21.3
150 + 80	45.7 + 24.4					74 - 79	70 - 77	150 + 80	45.7 + 24.4
160 + 30	48.8 + 9.1					74 - 79	70 - 77	160 + 30	48.8 + 9.1
160 + 40	48.8 + 12.2					74 - 79	70 - 77	160 + 40	48.8 + 12.2
160 + 50	48.8 + 15.2					74 - 79	70 - 77	160 + 50	48.8 + 15.2
160 + 60	48.8 + 18.3					74 - 79	70 - 77	160 + 60	48.8 + 18.3
160 + 70	48.8 + 21.3					74 - 79	70 - 77	160 + 70	48.8 + 21.3
160 + 80	48.8 + 24.4					76 - 79	72 - 77	160 + 80	48.8 + 24.4
170 + 30	51.8 + 9.1					76 - 79	72 - 77	170 + 30	51.8 + 9.1
170 + 40	51.8 + 12.2					76 - 79	72 - 77	170 + 40	51.8 + 12.2
170 + 50	51.8 + 15.2					76 - 79	72 - 77	170 + 50	51.8 + 15.2
170 + 60	51.8 + 18.3					76 - 79	72 - 77	170 + 60	51.8 + 18.3
170 + 70	51.8 + 21.3					76 - 79	72 - 77	170 + 70	51.8 + 21.3
170 + 80	51.8 + 24.4					76 - 79	72 - 77	170 + 80	51.8 + 24.4
180 + 30	54.9 + 9.1					76 - 79	72 - 77	180 + 30	54.9 + 9.1
180 + 40	54.9 + 12.2					76 - 79	72 - 77	180 + 40	54.9 + 12.2
180 + 50	54.9 + 15.2					76 - 79	72 - 77	180 + 50	54.9 + 15.2
180 + 60	54.9 + 18.3					76 - 79	72 - 77	180 + 60	54.9 + 18.3
180 + 70	54.9 + 21.3					76 - 79	72 - 77	180 + 70	54.9 + 21.3
180 + 80	54.9 + 24.4					78 - 79		180 + 80	54.9 + 24.4
190 + 30	57.9 + 9.1					78 - 79		190 + 30	57.9 + 9.1
190 + 40	57.9 + 12.2					78 - 79		190 + 40	57.9 + 12.2
190 + 50	57.9 + 15.2					78 - 79		190 + 50	57.9 + 15.2

Maximum Allowable Travel Specifications

777T

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

Machine Travel Uphill Without Load - Upper Facing Front									
44,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
100 + 30	30.5 + 9.1	45 - 78	45 - 74	50 - 79	45 - 77	65 - 79	60 - 77	100 + 30	30.5 + 9.1
100 + 40	30.5 + 12.2	45 - 78	45 - 74	50 - 79	50 - 77	70 - 79	60 - 77	100 + 40	30.5 + 12.2
100 + 50	30.5 + 15.2	50 - 78	45 - 76	55 - 79	50 - 77	70 - 79	65 - 77	100 + 50	30.5 + 15.2
100 + 60	30.5 + 18.3	50 - 78	45 - 76	55 - 79	50 - 77	70 - 79	65 - 77	100 + 60	30.5 + 18.3
100 + 70	30.5 + 21.3	50 - 78	50 - 76	60 - 79	55 - 77	70 - 79	65 - 77	100 + 70	30.5 + 21.3
100 + 80	30.5 + 24.4	55 - 78	50 - 76	60 - 79	55 - 77	70 - 79	70 - 77	100 + 80	30.5 + 24.4
110 + 30	33.5 + 9.1	55 - 78	50 - 76	60 - 79	55 - 77	70 - 79	70 - 77	110 + 30	33.5 + 9.1
110 + 40	33.5 + 12.2	55 - 79	50 - 76	60 - 79	55 - 77	70 - 79	70 - 77	110 + 40	33.5 + 12.2
110 + 50	33.5 + 15.2	55 - 79	50 - 76	60 - 79	55 - 77	70 - 79	70 - 77	110 + 50	33.5 + 15.2
110 + 60	33.5 + 18.3	55 - 79	50 - 76	60 - 79	55 - 77	70 - 79	70 - 77	110 + 60	33.5 + 18.3
110 + 70	33.5 + 21.3	60 - 79	50 - 76	60 - 79	60 - 77	72 - 79	70 - 77	110 + 70	33.5 + 21.3
110 + 80	33.5 + 24.4	60 - 79	55 - 76	65 - 79	60 - 77	72 - 79	70 - 77	110 + 80	33.5 + 24.4
120 + 30	36.6 + 9.1	60 - 79	55 - 76	65 - 79	60 - 77	72 - 79	70 - 77	120 + 30	36.6 + 9.1
120 + 40	36.6 + 12.2	60 - 79	55 - 76	65 - 79	60 - 77	72 - 79	70 - 77	120 + 40	36.6 + 12.2
120 + 50	36.6 + 15.2	60 - 79	55 - 76	65 - 79	60 - 77	72 - 79	70 - 77	120 + 50	36.6 + 15.2
120 + 60	36.6 + 18.3	60 - 79	55 - 77	65 - 79	60 - 77	72 - 79	70 - 77	120 + 60	36.6 + 18.3
120 + 70	36.6 + 21.3	60 - 79	55 - 77	65 - 79	60 - 77	74 - 79	70 - 77	120 + 70	36.6 + 21.3
120 + 80	36.6 + 24.4	60 - 79	60 - 77	65 - 79	60 - 77	74 - 79	70 - 77	120 + 80	36.6 + 24.4
130 + 30	39.6 + 9.1	60 - 79	60 - 77	65 - 79	60 - 77	74 - 79	70 - 77	130 + 30	39.6 + 9.1
130 + 40	39.6 + 12.2	60 - 79	60 - 77	65 - 79	60 - 77	74 - 79	70 - 77	130 + 40	39.6 + 12.2
130 + 50	39.6 + 15.2	60 - 79	60 - 77	65 - 79	60 - 77	74 - 79	70 - 77	130 + 50	39.6 + 15.2
130 + 60	39.6 + 18.3	60 - 79	60 - 77	70 - 79	65 - 77	74 - 79	70 - 77	130 + 60	39.6 + 18.3
130 + 70	39.6 + 21.3	65 - 79	60 - 77	70 - 79	65 - 77	76 - 79	70 - 77	130 + 70	39.6 + 21.3
130 + 80	39.6 + 24.4	65 - 79	60 - 77	70 - 79	65 - 77	76 - 79	72 - 77	130 + 80	39.6 + 24.4
140 + 30	42.7 + 9.1	65 - 79	60 - 77	70 - 79	65 - 77	76 - 79	72 - 77	140 + 30	42.7 + 9.1
140 + 40	42.7 + 12.2	65 - 79	60 - 77	70 - 79	65 - 77	76 - 79	72 - 77	140 + 40	42.7 + 12.2
140 + 50	42.7 + 15.2	65 - 79	60 - 77	70 - 79	65 - 77	76 - 79	72 - 77	140 + 50	42.7 + 15.2
140 + 60	42.7 + 18.3	65 - 79	60 - 77	70 - 79	65 - 77	76 - 79	72 - 77	140 + 60	42.7 + 18.3
140 + 70	42.7 + 21.3	70 - 79	60 - 77	70 - 79	65 - 77	76 - 79	72 - 77	140 + 70	42.7 + 21.3
140 + 80	42.7 + 24.4	70 - 79	65 - 77	70 - 79	70 - 77	78 - 79		140 + 80	42.7 + 24.4
150 + 30	45.7 + 9.1	70 - 79	65 - 77	70 - 79	70 - 77	78 - 79		150 + 30	45.7 + 9.1
150 + 40	45.7 + 12.2	70 - 79	65 - 77	70 - 79	70 - 77	78 - 79		150 + 40	45.7 + 12.2
150 + 50	45.7 + 15.2	70 - 79	65 - 77	70 - 79	70 - 77	78 - 79		150 + 50	45.7 + 15.2
150 + 60	45.7 + 18.3	70 - 79	65 - 77	70 - 79	70 - 77	78 - 79		150 + 60	45.7 + 18.3
150 + 70	45.7 + 21.3	*	*	70 - 79	70 - 77	78 - 79		150 + 70	45.7 + 21.3
150 + 80	45.7 + 24.4	*	*	72 - 79	70 - 77	78 - 79		150 + 80	45.7 + 24.4
160 + 30	48.8 + 9.1	70 - 79	65 - 77	72 - 79	70 - 77	78 - 79		160 + 30	48.8 + 9.1
160 + 40	48.8 + 12.2			72 - 79	70 - 77	78 - 79		160 + 40	48.8 + 12.2
160 + 50	48.8 + 15.2			72 - 79	70 - 77	78 - 79		160 + 50	48.8 + 15.2
160 + 60	48.8 + 18.3			72 - 79	70 - 77	78 - 79		160 + 60	48.8 + 18.3
170 + 30	51.8 + 9.1			72 - 79	70 - 77			170 + 30	51.8 + 9.1
170 + 40	51.8 + 12.2			72 - 79	70 - 77			170 + 40	51.8 + 12.2
170 + 50	51.8 + 15.2			72 - 79	70 - 77			170 + 50	51.8 + 15.2

Maximum Allowable Travel Specifications

777T

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

Machine Travel Downhill Without Load - Upper Facing Front									
44,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
100 + 30	30.5 + 9.1	45 - 78	50 - 77	50 - 79	55 - 77	65 - 79	70 - 77	100 + 30	30.5 + 9.1
100 + 40	30.5 + 12.2	45 - 79	50 - 77	55 - 79	60 - 77	70 - 79	70 - 77	100 + 40	30.5 + 12.2
100 + 50	30.5 + 15.2	50 - 79	50 - 77	55 - 79	60 - 77	70 - 79	70 - 77	100 + 50	30.5 + 15.2
100 + 60	30.5 + 18.3	50 - 79	55 - 77	60 - 79	60 - 77	70 - 79	72 - 77	100 + 60	30.5 + 18.3
100 + 70	30.5 + 21.3	55 - 79	60 - 77	60 - 79	65 - 77	70 - 79	74 - 77	100 + 70	30.5 + 21.3
100 + 80	30.5 + 24.4	55 - 79	60 - 77	60 - 79	65 - 77	72 - 79	74 - 77	100 + 80	30.5 + 24.4
110 + 30	33.5 + 9.1	55 - 79	60 - 77	60 - 79	65 - 77	72 - 79	74 - 77	110 + 30	33.5 + 9.1
110 + 40	33.5 + 12.2	55 - 79	60 - 77	60 - 79	65 - 77	72 - 79	74 - 77	110 + 40	33.5 + 12.2
110 + 50	33.5 + 15.2	55 - 79	60 - 77	60 - 79	65 - 77	72 - 79	74 - 77	110 + 50	33.5 + 15.2
110 + 60	33.5 + 18.3	55 - 79	60 - 77	60 - 79	65 - 77	72 - 79	74 - 77	110 + 60	33.5 + 18.3
110 + 70	33.5 + 21.3	60 - 79	60 - 77	65 - 79	70 - 77	72 - 79	76 - 77	110 + 70	33.5 + 21.3
110 + 80	33.5 + 24.4	60 - 79	65 - 77	65 - 79	70 - 77	74 - 79	76 - 77	110 + 80	33.5 + 24.4
120 + 30	36.6 + 9.1	60 - 79	65 - 77	65 - 79	70 - 77	74 - 79	76 - 77	120 + 30	36.6 + 9.1
120 + 40	36.6 + 12.2	60 - 79	65 - 77	65 - 79	70 - 77	74 - 79	76 - 77	120 + 40	36.6 + 12.2
120 + 50	36.6 + 15.2	60 - 79	65 - 77	65 - 79	70 - 77	74 - 79	76 - 77	120 + 50	36.6 + 15.2
120 + 60	36.6 + 18.3	60 - 79	65 - 77	65 - 79	70 - 77	74 - 79	76 - 77	120 + 60	36.6 + 18.3
120 + 70	36.6 + 21.3	60 - 79	65 - 77	65 - 79	70 - 77	74 - 79		120 + 70	36.6 + 21.3
120 + 80	36.6 + 24.4	60 - 79	65 - 77	70 - 79	70 - 77	74 - 79		120 + 80	36.6 + 24.4
130 + 30	39.6 + 9.1	60 - 79	65 - 77	70 - 79	70 - 77	74 - 79		130 + 30	39.6 + 9.1
130 + 40	39.6 + 12.2	60 - 79	65 - 77	70 - 79	70 - 77	74 - 79		130 + 40	39.6 + 12.2
130 + 50	39.6 + 15.2	60 - 79	65 - 77	70 - 79	70 - 77	74 - 79		130 + 50	39.6 + 15.2
130 + 60	39.6 + 18.3	65 - 79	65 - 77	70 - 79	70 - 77	76 - 79		130 + 60	39.6 + 18.3
130 + 70	39.6 + 21.3	65 - 79	70 - 77	70 - 79	70 - 77	76 - 79		130 + 70	39.6 + 21.3
130 + 80	39.6 + 24.4	65 - 79	70 - 77	70 - 79	72 - 77	76 - 79		130 + 80	39.6 + 24.4
140 + 30	42.7 + 9.1	65 - 79	70 - 77	70 - 79	72 - 77	76 - 79		140 + 30	42.7 + 9.1
140 + 40	42.7 + 12.2	65 - 79	70 - 77	70 - 79	72 - 77	76 - 79		140 + 40	42.7 + 12.2
140 + 50	42.7 + 15.2	65 - 79	70 - 77	70 - 79	72 - 77	76 - 79		140 + 50	42.7 + 15.2
140 + 60	42.7 + 18.3	65 - 79	70 - 77	70 - 79	72 - 77	76 - 79		140 + 60	42.7 + 18.3
140 + 70	42.7 + 21.3	70 - 79	70 - 77	70 - 79	72 - 77	78 - 79		140 + 70	42.7 + 21.3
140 + 80	42.7 + 24.4	70 - 79	70 - 77	70 - 79	74 - 77	78 - 79		140 + 80	42.7 + 24.4
150 + 30	45.7 + 9.1	70 - 79	70 - 77	70 - 79	74 - 77	78 - 79		150 + 30	45.7 + 9.1
150 + 40	45.7 + 12.2	70 - 79	70 - 77	70 - 79	74 - 77	78 - 79		150 + 40	45.7 + 12.2
150 + 50	45.7 + 15.2	70 - 79	70 - 77	70 - 79	74 - 77	78 - 79		150 + 50	45.7 + 15.2
150 + 60	45.7 + 18.3	70 - 79	70 - 77	72 - 79	74 - 77	78 - 79		150 + 60	45.7 + 18.3
150 + 70	45.7 + 21.3	*	*	72 - 79	76 - 77			150 + 70	45.7 + 21.3
150 + 80	45.7 + 24.4	*	*	72 - 79	76 - 77			150 + 80	45.7 + 24.4
160 + 30	48.8 + 9.1	70 - 79	70 - 77	72 - 79	76 - 77			160 + 30	48.8 + 9.1
160 + 40	48.8 + 12.2			72 - 79	76 - 77			160 + 40	48.8 + 12.2
160 + 50	48.8 + 15.2			72 - 79	76 - 77			160 + 50	48.8 + 15.2
160 + 60	48.8 + 18.3			74 - 79	76 - 77			160 + 60	48.8 + 18.3
170 + 30	51.8 + 9.1			74 - 79	76 - 77			170 + 30	51.8 + 9.1
170 + 40	51.8 + 12.2			74 - 79	76 - 77			170 + 40	51.8 + 12.2
170 + 50	51.8 + 15.2			74 - 79	76 - 77			170 + 50	51.8 + 15.2

Maximum Allowable Travel Specifications

777T

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

Machine Travel Uphill Without Load - Upper Facing Rear									
61,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
100 + 30	30.5 + 9.1	70 - 79	70 - 77	65 - 79	70 - 77	50 - 79	55 - 77	100 + 30	30.5 + 9.1
100 + 40	30.5 + 12.2	70 - 79	72 - 77	65 - 79	70 - 77	50 - 79	55 - 77	100 + 40	30.5 + 12.2
100 + 50	30.5 + 15.2	70 - 79	74 - 77	65 - 79	70 - 77	55 - 79	60 - 77	100 + 50	30.5 + 15.2
100 + 60	30.5 + 18.3	70 - 79	74 - 77	70 - 79	70 - 77	55 - 79	60 - 77	100 + 60	30.5 + 18.3
100 + 70	30.5 + 21.3	72 - 79	76 - 77	70 - 79	70 - 77	60 - 79	60 - 77	100 + 70	30.5 + 21.3
100 + 80	30.5 + 24.4	72 - 79	76 - 77	70 - 79	72 - 77	60 - 79	65 - 77	100 + 80	30.5 + 24.4
110 + 30	33.5 + 9.1	72 - 79	76 - 77	70 - 79	72 - 77	60 - 79	65 - 77	110 + 30	33.5 + 9.1
110 + 40	33.5 + 12.2	72 - 79	76 - 77	70 - 79	72 - 77	60 - 79	65 - 77	110 + 40	33.5 + 12.2
110 + 50	33.5 + 15.2	72 - 79	76 - 77	70 - 79	72 - 77	60 - 79	65 - 77	110 + 50	33.5 + 15.2
110 + 60	33.5 + 18.3	72 - 79	76 - 77	70 - 79	72 - 77	60 - 79	65 - 77	110 + 60	33.5 + 18.3
110 + 70	33.5 + 21.3	74 - 79		70 - 79	74 - 77	60 - 79	65 - 77	110 + 70	33.5 + 21.3
110 + 80	33.5 + 24.4	74 - 79		70 - 79	74 - 77	65 - 79	70 - 77	110 + 80	33.5 + 24.4
120 + 30	36.6 + 9.1	74 - 79		70 - 79	74 - 77	65 - 79	70 - 77	120 + 30	36.6 + 9.1
120 + 40	36.6 + 12.2	74 - 79		70 - 79	74 - 77	65 - 79	70 - 77	120 + 40	36.6 + 12.2
120 + 50	36.6 + 15.2	74 - 79		70 - 79	74 - 77	65 - 79	70 - 77	120 + 50	36.6 + 15.2
120 + 60	36.6 + 18.3	74 - 79		70 - 79	74 - 77	65 - 79	70 - 77	120 + 60	36.6 + 18.3
120 + 70	36.6 + 21.3	76 - 79		72 - 79	74 - 77	65 - 79	70 - 77	120 + 70	36.6 + 21.3
120 + 80	36.6 + 24.4	76 - 79		72 - 79	76 - 77	65 - 79	70 - 77	120 + 80	36.6 + 24.4
130 + 30	39.6 + 9.1	76 - 79		72 - 79	76 - 77	65 - 79	70 - 77	130 + 30	39.6 + 9.1
130 + 40	39.6 + 12.2	76 - 79		72 - 79	76 - 77	65 - 79	70 - 77	130 + 40	39.6 + 12.2
130 + 50	39.6 + 15.2	76 - 79		72 - 79	76 - 77	65 - 79	70 - 77	130 + 50	39.6 + 15.2
130 + 60	39.6 + 18.3	76 - 79		72 - 79	76 - 77	65 - 79	70 - 77	130 + 60	39.6 + 18.3
130 + 70	39.6 + 21.3	76 - 79		74 - 79	76 - 77	70 - 79	70 - 77	130 + 70	39.6 + 21.3
130 + 80	39.6 + 24.4	78 - 79		74 - 79		70 - 79	70 - 77	130 + 80	39.6 + 24.4
140 + 30	42.7 + 9.1	78 - 79		74 - 79		70 - 79	70 - 77	140 + 30	42.7 + 9.1
140 + 40	42.7 + 12.2	78 - 79		74 - 79		70 - 79	70 - 77	140 + 40	42.7 + 12.2
140 + 50	42.7 + 15.2	78 - 79		74 - 79		70 - 79	70 - 77	140 + 50	42.7 + 15.2
140 + 60	42.7 + 18.3	78 - 79		74 - 79		70 - 79	70 - 77	140 + 60	42.7 + 18.3
140 + 70	42.7 + 21.3	78 - 79		74 - 79		70 - 79	72 - 77	140 + 70	42.7 + 21.3
140 + 80	42.7 + 24.4	78 - 79		76 - 79		70 - 79	72 - 77	140 + 80	42.7 + 24.4
150 + 30	45.7 + 9.1	78 - 79		76 - 79		70 - 79	72 - 77	150 + 30	45.7 + 9.1
150 + 40	45.7 + 12.2	78 - 79		76 - 79		70 - 79	72 - 77	150 + 40	45.7 + 12.2
150 + 50	45.7 + 15.2	78 - 79		76 - 79		70 - 79	72 - 77	150 + 50	45.7 + 15.2
150 + 60	45.7 + 18.3	78 - 79		76 - 79		70 - 79	72 - 77	150 + 60	45.7 + 18.3
150 + 70	45.7 + 21.3			76 - 79		70 - 79	74 - 77	150 + 70	45.7 + 21.3
150 + 80	45.7 + 24.4			78 - 79		70 - 79	74 - 77	150 + 80	45.7 + 24.4

Maximum Allowable Travel Specifications

777T

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

Machine Travel Uphill Without Load - Upper Facing Rear									
61,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
160 + 30	48.8 + 9.1			78 - 79		70 - 79	74 - 77	160 + 30	48.8 + 9.1
160 + 40	48.8 + 12.2			78 - 79		70 - 79	74 - 77	160 + 40	48.8 + 12.2
160 + 50	48.8 + 15.2			78 - 79		70 - 79	74 - 77	160 + 50	48.8 + 15.2
160 + 60	48.8 + 18.3			78 - 79		72 - 79	74 - 77	160 + 60	48.8 + 18.3
160 + 70	48.8 + 21.3			78 - 79		72 - 79	76 - 77	160 + 70	48.8 + 21.3
160 + 80	48.8 + 24.4			78 - 79		72 - 79	76 - 77	160 + 80	48.8 + 24.4
170 + 30	51.8 + 9.1			78 - 79		72 - 79	76 - 77	170 + 30	51.8 + 9.1
170 + 40	51.8 + 12.2			78 - 79		72 - 79	76 - 77	170 + 40	51.8 + 12.2
170 + 50	51.8 + 15.2			78 - 79		72 - 79	76 - 77	170 + 50	51.8 + 15.2
170 + 60	51.8 + 18.3			78 - 79		72 - 79	76 - 77	170 + 60	51.8 + 18.3
170 + 70	51.8 + 21.3			78 - 79		72 - 79	76 - 77	170 + 70	51.8 + 21.3
170 + 80	51.8 + 24.4			78 - 79		74 - 79	76 - 77	170 + 80	51.8 + 24.4
180 + 30	54.9 + 9.1			78 - 79		74 - 79	76 - 77	180 + 30	54.9 + 9.1
180 + 40	54.9 + 12.2			78 - 79		74 - 79	76 - 77	180 + 40	54.9 + 12.2
180 + 50	54.9 + 15.2			78 - 79		74 - 79	76 - 77	180 + 50	54.9 + 15.2
180 + 60	54.9 + 18.3			78 - 79		74 - 79	76 - 77	180 + 60	54.9 + 18.3
180 + 70	54.9 + 21.3					74 - 79		180 + 70	54.9 + 21.3
180 + 80	54.9 + 24.4					74 - 79		180 + 80	54.9 + 24.4
190 + 30	57.9 + 9.1					74 - 79		190 + 30	57.9 + 9.1
190 + 40	57.9 + 12.2					74 - 79		190 + 40	57.9 + 12.2
190 + 50	57.9 + 15.2					74 - 79		190 + 50	57.9 + 15.2
190 + 60	57.9 + 18.3					76 - 79		190 + 60	57.9 + 18.3
190 + 70	57.9 + 21.3					76 - 79		190 + 70	57.9 + 21.3
190 + 80	57.9 + 24.4					76 - 79		190 + 80	57.9 + 24.4
200 + 30	61.0 + 9.1					76 - 79		200 + 30	61.0 + 9.1
200 + 40	61.0 + 12.2					76 - 79		200 + 40	61.0 + 12.2
200 + 50	61.0 + 15.2					76 - 79		200 + 50	61.0 + 15.2
200 + 60	61.0 + 18.3					76 - 79		200 + 60	61.0 + 18.3
210 + 30	64.0 + 9.1					76 - 79		210 + 30	64.0 + 9.1
210 + 40	64.0 + 12.2					76 - 79		210 + 40	64.0 + 12.2

Maximum Allowable Travel Specifications

777T

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

Machine Travel Downhill Without Load - Upper Facing Rear									
61,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
100 + 30	30.5 + 9.1	70 - 79	65 - 77	60 - 79	60 - 77	50 - 78	45 - 74	100 + 30	30.5 + 9.1
100 + 40	30.5 + 12.2	70 - 79	65 - 77	65 - 79	60 - 77	50 - 78	45 - 76	100 + 40	30.5 + 12.2
100 + 50	30.5 + 15.2	70 - 79	65 - 77	65 - 79	60 - 77	50 - 78	50 - 76	100 + 50	30.5 + 15.2
100 + 60	30.5 + 18.3	70 - 79	65 - 77	65 - 79	60 - 77	55 - 79	50 - 76	100 + 60	30.5 + 18.3
100 + 70	30.5 + 21.3	70 - 79	70 - 77	70 - 79	65 - 77	55 - 79	50 - 76	100 + 70	30.5 + 21.3
100 + 80	30.5 + 24.4	72 - 79	70 - 77	70 - 79	65 - 77	60 - 79	55 - 76	100 + 80	30.5 + 24.4
110 + 30	33.5 + 9.1	72 - 79	70 - 77	70 - 79	65 - 77	60 - 79	55 - 76	110 + 30	33.5 + 9.1
110 + 40	33.5 + 12.2	72 - 79	70 - 77	70 - 79	65 - 77	60 - 79	55 - 76	110 + 40	33.5 + 12.2
110 + 50	33.5 + 15.2	72 - 79	70 - 77	70 - 79	65 - 77	60 - 79	55 - 76	110 + 50	33.5 + 15.2
110 + 60	33.5 + 18.3	72 - 79	70 - 77	70 - 79	65 - 77	60 - 79	55 - 76	110 + 60	33.5 + 18.3
110 + 70	33.5 + 21.3	72 - 79	70 - 77	70 - 79	65 - 77	60 - 79	55 - 76	110 + 70	33.5 + 21.3
110 + 80	33.5 + 24.4	74 - 79	70 - 77	70 - 79	70 - 77	60 - 79	60 - 76	110 + 80	33.5 + 24.4
120 + 30	36.6 + 9.1	74 - 79	70 - 77	70 - 79	70 - 77	60 - 79	60 - 76	120 + 30	36.6 + 9.1
120 + 40	36.6 + 12.2	74 - 79	70 - 77	70 - 79	70 - 77	60 - 79	60 - 76	120 + 40	36.6 + 12.2
120 + 50	36.6 + 15.2	74 - 79	70 - 77	70 - 79	70 - 77	60 - 79	60 - 76	120 + 50	36.6 + 15.2
120 + 60	36.6 + 18.3	74 - 79	70 - 77	70 - 79	70 - 77	60 - 79	60 - 77	120 + 60	36.6 + 18.3
120 + 70	36.6 + 21.3	74 - 79	70 - 77	70 - 79	70 - 77	65 - 79	60 - 77	120 + 70	36.6 + 21.3
120 + 80	36.6 + 24.4	76 - 79	70 - 77	72 - 79	70 - 77	65 - 79	60 - 77	120 + 80	36.6 + 24.4
130 + 30	39.6 + 9.1	76 - 79	70 - 77	72 - 79	70 - 77	65 - 79	60 - 77	130 + 30	39.6 + 9.1
130 + 40	39.6 + 12.2	76 - 79	70 - 77	72 - 79	70 - 77	65 - 79	60 - 77	130 + 40	39.6 + 12.2
130 + 50	39.6 + 15.2	76 - 79	70 - 77	72 - 79	70 - 77	65 - 79	60 - 77	130 + 50	39.6 + 15.2
130 + 60	39.6 + 18.3	76 - 79	70 - 77	72 - 79	70 - 77	65 - 79	60 - 77	130 + 60	39.6 + 18.3
130 + 70	39.6 + 21.3	76 - 79	72 - 77	72 - 79	70 - 77	65 - 79	60 - 77	130 + 70	39.6 + 21.3
130 + 80	39.6 + 24.4	76 - 79	72 - 77	74 - 79	70 - 77	70 - 79	65 - 77	130 + 80	39.6 + 24.4
140 + 30	42.7 + 9.1	76 - 79	72 - 77	74 - 79	70 - 77	70 - 79	65 - 77	140 + 30	42.7 + 9.1
140 + 40	42.7 + 12.2	76 - 79	72 - 77	74 - 79	70 - 77	70 - 79	65 - 77	140 + 40	42.7 + 12.2
140 + 50	42.7 + 15.2	76 - 79	72 - 77	74 - 79	70 - 77	70 - 79	65 - 77	140 + 50	42.7 + 15.2
140 + 60	42.7 + 18.3	76 - 79	72 - 77	74 - 79	70 - 77	70 - 79	65 - 77	140 + 60	42.7 + 18.3
140 + 70	42.7 + 21.3	78 - 79		74 - 79	70 - 77	70 - 79	65 - 77	140 + 70	42.7 + 21.3
140 + 80	42.7 + 24.4	78 - 79		74 - 79	70 - 77	70 - 79	65 - 77	140 + 80	42.7 + 24.4
150 + 30	45.7 + 9.1	78 - 79		74 - 79	70 - 77	70 - 79	65 - 77	150 + 30	45.7 + 9.1
150 + 40	45.7 + 12.2	78 - 79		74 - 79	70 - 77	70 - 79	65 - 77	150 + 40	45.7 + 12.2
150 + 50	45.7 + 15.2	78 - 79		74 - 79	70 - 77	70 - 79	65 - 77	150 + 50	45.7 + 15.2
150 + 60	45.7 + 18.3	78 - 79		74 - 79	72 - 77	70 - 79	65 - 77	150 + 60	45.7 + 18.3
150 + 70	45.7 + 21.3	78 - 79		76 - 79	72 - 77	70 - 79	70 - 77	150 + 70	45.7 + 21.3
150 + 80	45.7 + 24.4			76 - 79	72 - 77	70 - 79	70 - 77	150 + 80	45.7 + 24.4

Maximum Allowable Travel Specifications

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

Machine Travel Downhill Without Load - Upper Facing Rear									
61,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
160 + 30	48.8 + 9.1	78 - 79		76 - 79	72 - 77	70 - 79	70 - 77	160 + 30	48.8 + 9.1
160 + 40	48.8 + 12.2	78 - 79		76 - 79	72 - 77	70 - 79	70 - 77	160 + 40	48.8 + 12.2
160 + 50	48.8 + 15.2	78 - 79		76 - 79	72 - 77	70 - 79	70 - 77	160 + 50	48.8 + 15.2
160 + 60	48.8 + 18.3	78 - 79		76 - 79	72 - 77	70 - 79	70 - 77	160 + 60	48.8 + 18.3
160 + 70	48.8 + 21.3			76 - 79	74 - 77	72 - 79	70 - 77	160 + 70	48.8 + 21.3
160 + 80	48.8 + 24.4			78 - 79		72 - 79	70 - 77	160 + 80	48.8 + 24.4
170 + 30	51.8 + 9.1			78 - 79		72 - 79	70 - 77	170 + 30	51.8 + 9.1
170 + 40	51.8 + 12.2			78 - 79		72 - 79	70 - 77	170 + 40	51.8 + 12.2
170 + 50	51.8 + 15.2			78 - 79		72 - 79	70 - 77	170 + 50	51.8 + 15.2
170 + 60	51.8 + 18.3			78 - 79		72 - 79	70 - 77	170 + 60	51.8 + 18.3
170 + 70	51.8 + 21.3			78 - 79		72 - 79	70 - 77	170 + 70	51.8 + 21.3
170 + 80	51.8 + 24.4			78 - 79		72 - 79	70 - 77	170 + 80	51.8 + 24.4
180 + 30	54.9 + 9.1			78 - 79		72 - 79	70 - 77	180 + 30	54.9 + 9.1
180 + 40	54.9 + 12.2			78 - 79		72 - 79	70 - 77	180 + 40	54.9 + 12.2
180 + 50	54.9 + 15.2			78 - 79		72 - 79	70 - 77	180 + 50	54.9 + 15.2
180 + 60	54.9 + 18.3			78 - 79		72 - 79	70 - 77	180 + 60	54.9 + 18.3
180 + 70	54.9 + 21.3					74 - 79	70 - 77	180 + 70	54.9 + 21.3
180 + 80	54.9 + 24.4					74 - 79	70 - 77	180 + 80	54.9 + 24.4
190 + 30	57.9 + 9.1					74 - 79	70 - 77	190 + 30	57.9 + 9.1
190 + 40	57.9 + 12.2					74 - 79	70 - 77	190 + 40	57.9 + 12.2
190 + 50	57.9 + 15.2					74 - 79	70 - 77	190 + 50	57.9 + 15.2
190 + 60	57.9 + 18.3					74 - 79	70 - 77	190 + 60	57.9 + 18.3
190 + 70	57.9 + 21.3					74 - 79	72 - 77	190 + 70	57.9 + 21.3
190 + 80	57.9 + 24.4					76 - 79	72 - 77	190 + 80	57.9 + 24.4
200 + 30	61.0 + 9.1					76 - 79	72 - 77	200 + 30	61.0 + 9.1
200 + 40	61.0 + 12.2					76 - 79	72 - 77	200 + 40	61.0 + 12.2
200 + 50	61.0 + 15.2					76 - 79	72 - 77	200 + 50	61.0 + 15.2
200 + 60	61.0 + 18.3					76 - 79	72 - 77	200 + 60	61.0 + 18.3
210 + 30	64.0 + 9.1					76 - 79	72 - 77	210 + 30	64.0 + 9.1
210 + 40	64.0 + 12.2					76 - 79	72 - 77	210 + 40	64.0 + 12.2

Maximum Allowable Travel Specifications

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

Machine Travel Uphill Without Load - Upper Facing Front									
61,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
100 + 30	30.5 + 9.1	45 - 70	45 - 65	45 - 76	45 - 72	60 - 79	55 - 77	100 + 30	30.5 + 9.1
100 + 40	30.5 + 12.2	45 - 72	45 - 65	45 - 76	45 - 72	60 - 79	55 - 77	100 + 40	30.5 + 12.2
100 + 50	30.5 + 15.2	45 - 72	45 - 65	45 - 76	45 - 74	60 - 79	60 - 77	100 + 50	30.5 + 15.2
100 + 60	30.5 + 18.3	45 - 72	45 - 65	50 - 76	45 - 74	65 - 79	60 - 77	100 + 60	30.5 + 18.3
100 + 70	30.5 + 21.3	45 - 72	45 - 65	50 - 76	50 - 74	65 - 79	60 - 77	100 + 70	30.5 + 21.3
100 + 80	30.5 + 24.4	50 - 72	45 - 65	55 - 76	50 - 74	65 - 79	60 - 77	100 + 80	30.5 + 24.4
110 + 30	33.5 + 9.1	50 - 72	45 - 65	55 - 76	50 - 74	65 - 79	60 - 77	110 + 30	33.5 + 9.1
110 + 40	33.5 + 12.2	50 - 72	45 - 70	55 - 78	50 - 74	65 - 79	60 - 77	110 + 40	33.5 + 12.2
110 + 50	33.5 + 15.2	50 - 74	45 - 70	55 - 78	50 - 74	65 - 79	60 - 77	110 + 50	33.5 + 15.2
110 + 60	33.5 + 18.3	50 - 74	45 - 70	55 - 78	50 - 74	70 - 79	60 - 77	110 + 60	33.5 + 18.3
110 + 70	33.5 + 21.3	50 - 74	45 - 70	60 - 78	50 - 74	70 - 79	65 - 77	110 + 70	33.5 + 21.3
110 + 80	33.5 + 24.4	55 - 74	50 - 70	60 - 78	55 - 74	70 - 79	65 - 77	110 + 80	33.5 + 24.4
120 + 30	36.6 + 9.1	55 - 74	50 - 70	60 - 78	55 - 74	70 - 79	65 - 77	120 + 30	36.6 + 9.1
120 + 40	36.6 + 12.2	55 - 74	50 - 70	60 - 78	55 - 74	70 - 79	65 - 77	120 + 40	36.6 + 12.2
120 + 50	36.6 + 15.2	55 - 74	50 - 72	60 - 78	55 - 76	70 - 79	65 - 77	120 + 50	36.6 + 15.2
120 + 60	36.6 + 18.3	55 - 76	50 - 72	60 - 78	55 - 76	70 - 79	65 - 77	120 + 60	36.6 + 18.3
120 + 70	36.6 + 21.3	55 - 76	50 - 72	60 - 78	55 - 76	70 - 79	65 - 77	120 + 70	36.6 + 21.3
120 + 80	36.6 + 24.4	60 - 76	50 - 72	60 - 78	55 - 76	70 - 79	70 - 77	120 + 80	36.6 + 24.4
130 + 30	39.6 + 9.1	60 - 76	50 - 72	60 - 78	55 - 76	70 - 79	70 - 77	130 + 30	39.6 + 9.1
130 + 40	39.6 + 12.2	60 - 76	50 - 72	60 - 79	55 - 76	70 - 79	70 - 77	130 + 40	39.6 + 12.2
130 + 50	39.6 + 15.2	60 - 76	50 - 72	60 - 79	55 - 76	70 - 79	70 - 77	130 + 50	39.6 + 15.2
130 + 60	39.6 + 18.3	60 - 76	55 - 72	60 - 79	60 - 76	70 - 79	70 - 77	130 + 60	39.6 + 18.3
130 + 70	39.6 + 21.3	60 - 76	55 - 72	65 - 79	60 - 76	72 - 79	70 - 77	130 + 70	39.6 + 21.3
130 + 80	39.6 + 24.4	60 - 76	55 - 72	65 - 79	60 - 76	72 - 79	70 - 77	130 + 80	39.6 + 24.4
140 + 30	42.7 + 9.1	60 - 76	55 - 72	65 - 79	60 - 76	72 - 79	70 - 77	140 + 30	42.7 + 9.1
140 + 40	42.7 + 12.2	60 - 76	55 - 74	65 - 79	60 - 76	72 - 79	70 - 77	140 + 40	42.7 + 12.2
140 + 50	42.7 + 15.2	60 - 78	55 - 74	65 - 79	60 - 77	72 - 79	70 - 77	140 + 50	42.7 + 15.2
140 + 60	42.7 + 18.3	60 - 78	60 - 74	65 - 79	60 - 77	72 - 79	70 - 77	140 + 60	42.7 + 18.3
140 + 70	42.7 + 21.3	65 - 78	60 - 74	70 - 79	60 - 77	74 - 79	70 - 77	140 + 70	42.7 + 21.3
140 + 80	42.7 + 24.4	65 - 78	60 - 74	70 - 79	65 - 77	74 - 79	70 - 77	140 + 80	42.7 + 24.4

Maximum Allowable Travel Specifications

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

Machine Travel Uphill Without Load - Upper Facing Front									
61,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
150 + 30	45.7 + 9.1	65 - 78	60 - 74	70 - 79	65 - 77	74 - 79	70 - 77	150 + 30	45.7 + 9.1
150 + 40	45.7 + 12.2	65 - 78	60 - 74	70 - 79	65 - 77	74 - 79	70 - 77	150 + 40	45.7 + 12.2
150 + 50	45.7 + 15.2	65 - 78	60 - 74	70 - 79	65 - 77	74 - 79	70 - 77	150 + 50	45.7 + 15.2
150 + 60	45.7 + 18.3	65 - 78	60 - 76	70 - 79	65 - 77	74 - 79	70 - 77	150 + 60	45.7 + 18.3
150 + 70	45.7 + 21.3	65 - 78	60 - 76	70 - 79	65 - 77	74 - 79	70 - 77	150 + 70	45.7 + 21.3
150 + 80	45.7 + 24.4	70 - 78	65 - 76	70 - 79	65 - 77	76 - 79	72 - 77	150 + 80	45.7 + 24.4
160 + 30	48.8 + 9.1	70 - 78	65 - 76	70 - 79	65 - 77	76 - 79	72 - 77	160 + 30	48.8 + 9.1
160 + 40	48.8 + 12.2	70 - 78	65 - 76	70 - 79	65 - 77	76 - 79	72 - 77	160 + 40	48.8 + 12.2
160 + 50	48.8 + 15.2	70 - 78	65 - 76	70 - 79	65 - 77	76 - 79	72 - 77	160 + 50	48.8 + 15.2
160 + 60	48.8 + 18.3	70 - 78	65 - 76	70 - 79	70 - 77	76 - 79	72 - 77	160 + 60	48.8 + 18.3
160 + 70	48.8 + 21.3	70 - 78	65 - 76	70 - 79	70 - 77	76 - 79	72 - 77	160 + 70	48.8 + 21.3
160 + 80	48.8 + 24.4	70 - 78	65 - 76	70 - 79	70 - 77	78 - 79		160 + 80	48.8 + 24.4
170 + 30	51.8 + 9.1	70 - 78	65 - 76	70 - 79	70 - 77	78 - 79		170 + 30	51.8 + 9.1
170 + 40	51.8 + 12.2	70 - 79	65 - 76	70 - 79	70 - 77	78 - 79		170 + 40	51.8 + 12.2
170 + 50	51.8 + 15.2	70 - 79	65 - 76	70 - 79	70 - 77	78 - 79		170 + 50	51.8 + 15.2
170 + 60	51.8 + 18.3	70 - 79	65 - 76	70 - 79	70 - 77	78 - 79		170 + 60	51.8 + 18.3
170 + 70	51.8 + 21.3	*	*	72 - 79	70 - 77	78 - 79		170 + 70	51.8 + 21.3
170 + 80	51.8 + 24.4	*	*	72 - 79	70 - 77	78 - 79		170 + 80	51.8 + 24.4
180 + 30	54.9 + 9.1	70 - 79	65 - 76	72 - 79	70 - 77	78 - 79		180 + 30	54.9 + 9.1
180 + 40	54.9 + 12.2			72 - 79	70 - 77	78 - 79		180 + 40	54.9 + 12.2
180 + 50	54.9 + 15.2			72 - 79	70 - 77	78 - 79		180 + 50	54.9 + 15.2
180 + 60	54.9 + 18.3			72 - 79	70 - 77	78 - 79		180 + 60	54.9 + 18.3
180 + 70	54.9 + 21.3			*	*	78 - 79		180 + 70	54.9 + 21.3
190 + 30	57.9 + 9.1			72 - 79	70 - 77	78 - 79		190 + 30	57.9 + 9.1
190 + 40	57.9 + 12.2					78 - 79		190 + 40	57.9 + 12.2
190 + 50	57.9 + 15.2					78 - 79		190 + 50	57.9 + 15.2

Maximum Allowable Travel Specifications

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

Machine Travel Downhill Without Load - Upper Facing Front									
61,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
100 + 30	30.5 + 9.1	45 - 72	45 - 76	45 - 76	50 - 77	60 - 79	65 - 77	100 + 30	30.5 + 9.1
100 + 40	30.5 + 12.2	45 - 72	45 - 76	45 - 78	50 - 77	60 - 79	65 - 77	100 + 40	30.5 + 12.2
100 + 50	30.5 + 15.2	45 - 72	45 - 77	50 - 78	55 - 77	65 - 79	70 - 77	100 + 50	30.5 + 15.2
100 + 60	30.5 + 18.3	45 - 74	50 - 77	50 - 78	55 - 77	65 - 79	70 - 77	100 + 60	30.5 + 18.3
100 + 70	30.5 + 21.3	45 - 74	50 - 77	55 - 78	60 - 77	65 - 79	70 - 77	100 + 70	30.5 + 21.3
100 + 80	30.5 + 24.4	50 - 74	50 - 77	55 - 78	60 - 77	70 - 79	70 - 77	100 + 80	30.5 + 24.4
110 + 30	33.5 + 9.1	50 - 74	50 - 77	55 - 78	60 - 77	70 - 79	70 - 77	110 + 30	33.5 + 9.1
110 + 40	33.5 + 12.2	50 - 74	50 - 77	55 - 78	60 - 77	70 - 79	70 - 77	110 + 40	33.5 + 12.2
110 + 50	33.5 + 15.2	50 - 74	50 - 77	55 - 78	60 - 77	70 - 79	70 - 77	110 + 50	33.5 + 15.2
110 + 60	33.5 + 18.3	50 - 74	55 - 77	55 - 79	60 - 77	70 - 79	70 - 77	110 + 60	33.5 + 18.3
110 + 70	33.5 + 21.3	50 - 74	55 - 77	60 - 79	60 - 77	70 - 79	72 - 77	110 + 70	33.5 + 21.3
110 + 80	33.5 + 24.4	55 - 74	60 - 77	60 - 79	65 - 77	70 - 79	72 - 77	110 + 80	33.5 + 24.4
120 + 30	36.6 + 9.1	55 - 74	60 - 77	60 - 79	65 - 77	70 - 79	72 - 77	120 + 30	36.6 + 9.1
120 + 40	36.6 + 12.2	55 - 76	60 - 77	60 - 79	65 - 77	70 - 79	72 - 77	120 + 40	36.6 + 12.2
120 + 50	36.6 + 15.2	55 - 76	60 - 77	60 - 79	65 - 77	70 - 79	72 - 77	120 + 50	36.6 + 15.2
120 + 60	36.6 + 18.3	55 - 76	60 - 77	60 - 79	65 - 77	70 - 79	72 - 77	120 + 60	36.6 + 18.3
120 + 70	36.6 + 21.3	55 - 76	60 - 77	60 - 79	65 - 77	70 - 79	74 - 77	120 + 70	36.6 + 21.3
120 + 80	36.6 + 24.4	60 - 76	60 - 77	65 - 79	65 - 77	70 - 79	74 - 77	120 + 80	36.6 + 24.4
130 + 30	39.6 + 9.1	60 - 76	60 - 77	65 - 79	65 - 77	70 - 79	74 - 77	130 + 30	39.6 + 9.1
130 + 40	39.6 + 12.2	60 - 76	60 - 77	65 - 79	65 - 77	70 - 79	74 - 77	130 + 40	39.6 + 12.2
130 + 50	39.6 + 15.2	60 - 76	60 - 77	65 - 79	65 - 77	70 - 79	74 - 77	130 + 50	39.6 + 15.2
130 + 60	39.6 + 18.3	60 - 78	60 - 77	65 - 79	70 - 77	70 - 79	74 - 77	130 + 60	39.6 + 18.3
130 + 70	39.6 + 21.3	60 - 78	65 - 77	65 - 79	70 - 77	72 - 79	76 - 77	130 + 70	39.6 + 21.3
130 + 80	39.6 + 24.4	60 - 78	65 - 77	65 - 79	70 - 77	72 - 79	76 - 77	130 + 80	39.6 + 24.4
140 + 30	42.7 + 9.1	60 - 78	65 - 77	65 - 79	70 - 77	72 - 79	76 - 77	140 + 30	42.7 + 9.1
140 + 40	42.7 + 12.2	60 - 78	65 - 77	65 - 79	70 - 77	72 - 79	76 - 77	140 + 40	42.7 + 12.2
140 + 50	42.7 + 15.2	60 - 78	65 - 77	65 - 79	70 - 77	72 - 79	76 - 77	140 + 50	42.7 + 15.2
140 + 60	42.7 + 18.3	60 - 78	65 - 77	65 - 79	70 - 77	74 - 79	76 - 77	140 + 60	42.7 + 18.3
140 + 70	42.7 + 21.3	65 - 78	70 - 77	70 - 79	70 - 77	74 - 79		140 + 70	42.7 + 21.3
140 + 80	42.7 + 24.4	65 - 78	70 - 77	70 - 79	70 - 77	74 - 79		140 + 80	42.7 + 24.4

Maximum Allowable Travel Specifications

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

Machine Travel Downhill Without Load - Upper Facing Front									
61,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
150 + 30	45.7 + 9.1	65 - 78	70 - 77	70 - 79	70 - 77	74 - 79		150 + 30	45.7 + 9.1
150 + 40	45.7 + 12.2	65 - 78	70 - 77	70 - 79	70 - 77	74 - 79		150 + 40	45.7 + 12.2
150 + 50	45.7 + 15.2	65 - 78	70 - 77	70 - 79	70 - 77	74 - 79		150 + 50	45.7 + 15.2
150 + 60	45.7 + 18.3	65 - 78	70 - 77	70 - 79	70 - 77	76 - 79		150 + 60	45.7 + 18.3
150 + 70	45.7 + 21.3	70 - 78	70 - 77	70 - 79	72 - 77	76 - 79		150 + 70	45.7 + 21.3
150 + 80	45.7 + 24.4	70 - 78	70 - 77	70 - 79	72 - 77	76 - 79		150 + 80	45.7 + 24.4
160 + 30	48.8 + 9.1	70 - 79	70 - 77	70 - 79	72 - 77	76 - 79		160 + 30	48.8 + 9.1
160 + 40	48.8 + 12.2	70 - 79	70 - 77	70 - 79	72 - 77	76 - 79		160 + 40	48.8 + 12.2
160 + 50	48.8 + 15.2	70 - 79	70 - 77	70 - 79	72 - 77	76 - 79		160 + 50	48.8 + 15.2
160 + 60	48.8 + 18.3	70 - 79	70 - 77	70 - 79	74 - 77	76 - 79		160 + 60	48.8 + 18.3
160 + 70	48.8 + 21.3	70 - 79	70 - 77	70 - 79	74 - 77	78 - 79		160 + 70	48.8 + 21.3
160 + 80	48.8 + 24.4	70 - 79	72 - 77	72 - 79	74 - 77	78 - 79		160 + 80	48.8 + 24.4
170 + 30	51.8 + 9.1	70 - 79	72 - 77	72 - 79	74 - 77	78 - 79		170 + 30	51.8 + 9.1
170 + 40	51.8 + 12.2	70 - 79	72 - 77	72 - 79	74 - 77	78 - 79		170 + 40	51.8 + 12.2
170 + 50	51.8 + 15.2	70 - 79	72 - 77	72 - 79	74 - 77	78 - 79		170 + 50	51.8 + 15.2
170 + 60	51.8 + 18.3	70 - 79	72 - 77	72 - 79	74 - 77	78 - 79		170 + 60	51.8 + 18.3
170 + 70	51.8 + 21.3	*	*	72 - 79	74 - 77	78 - 79		170 + 70	51.8 + 21.3
170 + 80	51.8 + 24.4	*	*	72 - 79	76 - 77	78 - 79		170 + 80	51.8 + 24.4
180 + 30	54.9 + 9.1	70 - 79	72 - 77	72 - 79	76 - 77	78 - 79		180 + 30	54.9 + 9.1
180 + 40	54.9 + 12.2			72 - 79	76 - 77	78 - 79		180 + 40	54.9 + 12.2
180 + 50	54.9 + 15.2			72 - 79	76 - 77	78 - 79		180 + 50	54.9 + 15.2
180 + 60	54.9 + 18.3			72 - 79	76 - 77	78 - 79		180 + 60	54.9 + 18.3
190 + 30	57.9 + 9.1			72 - 79	76 - 77			190 + 30	57.9 + 9.1

Maximum Allowable Travel Specifications

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

Machine Travel Uphill Without Load - Upper Facing Rear									
78,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
100 + 30	30.5 + 9.1	60 - 79	65 - 77	55 - 79	60 - 77	45 - 72	45 - 76	100 + 30	30.5 + 9.1
100 + 40	30.5 + 12.2	65 - 79	70 - 77	60 - 79	60 - 77	45 - 72	50 - 77	100 + 40	30.5 + 12.2
100 + 50	30.5 + 15.2	65 - 79	70 - 77	60 - 79	65 - 77	45 - 72	50 - 77	100 + 50	30.5 + 15.2
100 + 60	30.5 + 18.3	65 - 79	70 - 77	60 - 79	65 - 77	50 - 74	50 - 77	100 + 60	30.5 + 18.3
100 + 70	30.5 + 21.3	70 - 79	70 - 77	60 - 79	65 - 77	50 - 74	55 - 77	100 + 70	30.5 + 21.3
100 + 80	30.5 + 24.4	70 - 79	70 - 77	65 - 79	70 - 77	50 - 74	60 - 77	100 + 80	30.5 + 24.4
110 + 30	33.5 + 9.1	70 - 79	70 - 77	65 - 79	70 - 77	50 - 74	60 - 77	110 + 30	33.5 + 9.1
110 + 40	33.5 + 12.2	70 - 79	70 - 77	65 - 79	70 - 77	50 - 74	60 - 77	110 + 40	33.5 + 12.2
110 + 50	33.5 + 15.2	70 - 79	70 - 77	65 - 79	70 - 77	50 - 74	60 - 77	110 + 50	33.5 + 15.2
110 + 60	33.5 + 18.3	70 - 79	72 - 77	65 - 79	70 - 77	50 - 74	60 - 77	110 + 60	33.5 + 18.3
110 + 70	33.5 + 21.3	70 - 79	72 - 77	65 - 79	70 - 77	55 - 74	60 - 77	110 + 70	33.5 + 21.3
110 + 80	33.5 + 24.4	70 - 79	74 - 77	70 - 79	70 - 77	55 - 74	60 - 77	110 + 80	33.5 + 24.4
120 + 30	36.6 + 9.1	70 - 79	74 - 77	70 - 79	70 - 77	55 - 74	60 - 77	120 + 30	36.6 + 9.1
120 + 40	36.6 + 12.2	70 - 79	74 - 77	70 - 79	70 - 77	55 - 74	60 - 77	120 + 40	36.6 + 12.2
120 + 50	36.6 + 15.2	70 - 79	74 - 77	70 - 79	70 - 77	55 - 76	60 - 77	120 + 50	36.6 + 15.2
120 + 60	36.6 + 18.3	70 - 79	74 - 77	70 - 79	70 - 77	55 - 76	60 - 77	120 + 60	36.6 + 18.3
120 + 70	36.6 + 21.3	70 - 79	74 - 77	70 - 79	70 - 77	60 - 76	60 - 77	120 + 70	36.6 + 21.3
120 + 80	36.6 + 24.4	72 - 79	74 - 77	70 - 79	70 - 77	60 - 76	65 - 77	120 + 80	36.6 + 24.4
130 + 30	39.6 + 9.1	72 - 79	74 - 77	70 - 79	70 - 77	60 - 76	65 - 77	130 + 30	39.6 + 9.1
130 + 40	39.6 + 12.2	72 - 79	74 - 77	70 - 79	70 - 77	60 - 76	65 - 77	130 + 40	39.6 + 12.2
130 + 50	39.6 + 15.2	72 - 79	74 - 77	70 - 79	70 - 77	60 - 76	65 - 77	130 + 50	39.6 + 15.2
130 + 60	39.6 + 18.3	72 - 79	74 - 77	70 - 79	72 - 77	60 - 76	65 - 77	130 + 60	39.6 + 18.3
130 + 70	39.6 + 21.3	72 - 79	76 - 77	70 - 79	72 - 77	60 - 76	65 - 77	130 + 70	39.6 + 21.3
130 + 80	39.6 + 24.4	74 - 79	76 - 77	70 - 79	74 - 77	65 - 76	70 - 77	130 + 80	39.6 + 24.4
140 + 30	42.7 + 9.1	74 - 79	76 - 77	70 - 79	74 - 77	65 - 76	70 - 77	140 + 30	42.7 + 9.1
140 + 40	42.7 + 12.2	74 - 79	76 - 77	70 - 79	74 - 77	65 - 76	70 - 77	140 + 40	42.7 + 12.2
140 + 50	42.7 + 15.2	74 - 79	76 - 77	70 - 79	74 - 77	65 - 78	70 - 77	140 + 50	42.7 + 15.2
140 + 60	42.7 + 18.3	74 - 79	76 - 77	70 - 79	74 - 77	65 - 78	70 - 77	140 + 60	42.7 + 18.3
140 + 70	42.7 + 21.3	74 - 79		70 - 79	74 - 77	65 - 78	70 - 77	140 + 70	42.7 + 21.3
140 + 80	42.7 + 24.4	74 - 79		72 - 79	76 - 77	65 - 78	70 - 77	140 + 80	42.7 + 24.4
150 + 30	45.7 + 9.1	74 - 79		72 - 79	76 - 77	65 - 78	70 - 77	150 + 30	45.7 + 9.1
150 + 40	45.7 + 12.2	74 - 79		72 - 79	76 - 77	65 - 78	70 - 77	150 + 40	45.7 + 12.2
150 + 50	45.7 + 15.2	74 - 79		72 - 79	76 - 77	65 - 78	70 - 77	150 + 50	45.7 + 15.2
150 + 60	45.7 + 18.3	76 - 79		72 - 79	76 - 77	65 - 78	70 - 77	150 + 60	45.7 + 18.3
150 + 70	45.7 + 21.3	76 - 79		72 - 79	76 - 77	70 - 78	70 - 77	150 + 70	45.7 + 21.3
150 + 80	45.7 + 24.4	76 - 79		74 - 79	76 - 77	70 - 78	70 - 77	150 + 80	45.7 + 24.4
160 + 30	48.8 + 9.1	76 - 79		74 - 79	76 - 77	70 - 78	70 - 77	160 + 30	48.8 + 9.1
160 + 40	48.8 + 12.2	76 - 79		74 - 79	76 - 77	70 - 78	70 - 77	160 + 40	48.8 + 12.2
160 + 50	48.8 + 15.2	76 - 79		74 - 79	76 - 77	70 - 78	70 - 77	160 + 50	48.8 + 15.2
160 + 60	48.8 + 18.3	76 - 79		74 - 79	76 - 77	70 - 78	70 - 77	160 + 60	48.8 + 18.3
160 + 70	48.8 + 21.3	78 - 79		74 - 79		70 - 78	72 - 77	160 + 70	48.8 + 21.3
160 + 80	48.8 + 24.4	78 - 79		76 - 79		70 - 78	72 - 77	160 + 80	48.8 + 24.4

Maximum Allowable Travel Specifications

777T

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

Machine Travel Uphill Without Load - Upper Facing Rear									
78,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
170 + 30	51.8 + 9.1	78 - 79		76 - 79		70 - 78	72 - 77	170 + 30	51.8 + 9.1
170 + 40	51.8 + 12.2	78 - 79		76 - 79		70 - 79	72 - 77	170 + 40	51.8 + 12.2
170 + 50	51.8 + 15.2	78 - 79		76 - 79		70 - 79	72 - 77	170 + 50	51.8 + 15.2
170 + 60	51.8 + 18.3	78 - 79		76 - 79		70 - 79	72 - 77	170 + 60	51.8 + 18.3
170 + 70	51.8 + 21.3	78 - 79		76 - 79		70 - 79	72 - 77	170 + 70	51.8 + 21.3
170 + 80	51.8 + 24.4	78 - 79		76 - 79		70 - 79	74 - 77	170 + 80	51.8 + 24.4
180 + 30	54.9 + 9.1	78 - 79		76 - 79		70 - 79	74 - 77	180 + 30	54.9 + 9.1
180 + 40	54.9 + 12.2	78 - 79		76 - 79		70 - 79	74 - 77	180 + 40	54.9 + 12.2
180 + 50	54.9 + 15.2	78 - 79		76 - 79		70 - 79	74 - 77	180 + 50	54.9 + 15.2
180 + 60	54.9 + 18.3	78 - 79		76 - 79		70 - 79	74 - 77	180 + 60	54.9 + 18.3
180 + 70	54.9 + 21.3	78 - 79		76 - 79		70 - 79	74 - 77	180 + 70	54.9 + 21.3
180 + 80	54.9 + 24.4			78 - 79		72 - 79	76 - 77	180 + 80	54.9 + 24.4
190 + 30	57.9 + 9.1			78 - 79		72 - 79	76 - 77	190 + 30	57.9 + 9.1
190 + 40	57.9 + 12.2			78 - 79		72 - 79	76 - 77	190 + 40	57.9 + 12.2
190 + 50	57.9 + 15.2			78 - 79		72 - 79	76 - 77	190 + 50	57.9 + 15.2
190 + 60	57.9 + 18.3			78 - 79		72 - 79	76 - 77	190 + 60	57.9 + 18.3
190 + 70	57.9 + 21.3			78 - 79		72 - 79	76 - 77	190 + 70	57.9 + 21.3
190 + 80	57.9 + 24.4			*		74 - 79	76 - 77	190 + 80	57.9 + 24.4
200 + 30	61.0 + 9.1			78 - 79		74 - 79	76 - 77	200 + 30	61.0 + 9.1
200 + 40	61.0 + 12.2			78 - 79		74 - 79	76 - 77	200 + 40	61.0 + 12.2
200 + 50	61.0 + 15.2			78 - 79		74 - 79	76 - 77	200 + 50	61.0 + 15.2
200 + 60	61.0 + 18.3					74 - 79	76 - 77	200 + 60	61.0 + 18.3
200 + 70	61.0 + 21.3					74 - 79		200 + 70	61.0 + 21.3
200 + 80	61.0 + 24.4					74 - 79		200 + 80	61.0 + 24.4
210 + 30	64.0 + 9.1					74 - 79		210 + 30	64.0 + 9.1
210 + 40	64.0 + 12.2					74 - 79		210 + 40	64.0 + 12.2
210 + 50	64.0 + 15.2					74 - 79		210 + 50	64.0 + 15.2
210 + 60	64.0 + 18.3					74 - 79		210 + 60	64.0 + 18.3
210 + 70	64.0 + 21.3					74 - 79		210 + 70	64.0 + 21.3
220 + 30	67.1 + 9.1					74 - 79		220 + 30	67.1 + 9.1
220 + 40	67.1 + 12.2					74 - 79		220 + 40	67.1 + 12.2
220 + 50	67.1 + 15.2					76 - 79		220 + 50	67.1 + 15.2
220 + 60	67.1 + 18.3					76 - 79		220 + 60	67.1 + 18.3
230 + 30	70.1 + 9.1					76 - 79		230 + 30	70.1 + 9.1

Maximum Allowable Travel Specifications

777T

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

Machine Travel Downhill Without Load - Upper Facing Rear									
78,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
100 + 30	30.5 + 9.1	60 - 79	55 - 77	55 - 79	50 - 77	45 - 70	45 - 65	100 + 30	30.5 + 9.1
100 + 40	30.5 + 12.2	60 - 79	60 - 77	55 - 79	50 - 77	45 - 72	45 - 65	100 + 40	30.5 + 12.2
100 + 50	30.5 + 15.2	65 - 79	60 - 77	60 - 79	55 - 77	45 - 72	45 - 65	100 + 50	30.5 + 15.2
100 + 60	30.5 + 18.3	65 - 79	60 - 77	60 - 79	55 - 77	50 - 72	45 - 65	100 + 60	30.5 + 18.3
100 + 70	30.5 + 21.3	65 - 79	60 - 77	60 - 79	55 - 77	50 - 72	45 - 65	100 + 70	30.5 + 21.3
100 + 80	30.5 + 24.4	70 - 79	65 - 77	65 - 79	60 - 77	50 - 72	45 - 65	100 + 80	30.5 + 24.4
110 + 30	33.5 + 9.1	70 - 79	65 - 77	65 - 79	60 - 77	50 - 72	45 - 65	110 + 30	33.5 + 9.1
110 + 40	33.5 + 12.2	70 - 79	65 - 77	65 - 79	60 - 77	50 - 74	45 - 70	110 + 40	33.5 + 12.2
110 + 50	33.5 + 15.2	70 - 79	65 - 77	65 - 79	60 - 77	50 - 74	45 - 70	110 + 50	33.5 + 15.2
110 + 60	33.5 + 18.3	70 - 79	65 - 77	65 - 79	60 - 77	50 - 74	50 - 70	110 + 60	33.5 + 18.3
110 + 70	33.5 + 21.3	70 - 79	65 - 77	65 - 79	60 - 77	55 - 74	50 - 70	110 + 70	33.5 + 21.3
110 + 80	33.5 + 24.4	70 - 79	65 - 77	65 - 79	60 - 77	55 - 74	50 - 70	110 + 80	33.5 + 24.4
120 + 30	36.6 + 9.1	70 - 79	65 - 77	65 - 79	60 - 77	55 - 74	50 - 70	120 + 30	36.6 + 9.1
120 + 40	36.6 + 12.2	70 - 79	65 - 77	65 - 79	60 - 77	55 - 74	50 - 70	120 + 40	36.6 + 12.2
120 + 50	36.6 + 15.2	70 - 79	65 - 77	65 - 79	60 - 77	55 - 74	50 - 72	120 + 50	36.6 + 15.2
120 + 60	36.6 + 18.3	70 - 79	65 - 77	65 - 79	60 - 77	55 - 74	50 - 72	120 + 60	36.6 + 18.3
120 + 70	36.6 + 21.3	70 - 79	65 - 77	70 - 79	60 - 77	60 - 74	55 - 72	120 + 70	36.6 + 21.3
120 + 80	36.6 + 24.4	70 - 79	70 - 77	70 - 79	65 - 77	60 - 74	55 - 72	120 + 80	36.6 + 24.4
130 + 30	39.6 + 9.1	70 - 79	70 - 77	70 - 79	65 - 77	60 - 74	55 - 72	130 + 30	39.6 + 9.1
130 + 40	39.6 + 12.2	70 - 79	70 - 77	70 - 79	65 - 77	60 - 76	55 - 72	130 + 40	39.6 + 12.2
130 + 50	39.6 + 15.2	70 - 79	70 - 77	70 - 79	65 - 77	60 - 76	55 - 72	130 + 50	39.6 + 15.2
130 + 60	39.6 + 18.3	70 - 79	70 - 77	70 - 79	65 - 77	60 - 76	55 - 72	130 + 60	39.6 + 18.3
130 + 70	39.6 + 21.3	72 - 79	70 - 77	70 - 79	65 - 77	60 - 76	55 - 72	130 + 70	39.6 + 21.3
130 + 80	39.6 + 24.4	72 - 79	70 - 77	70 - 79	65 - 77	65 - 76	60 - 72	130 + 80	39.6 + 24.4
140 + 30	42.7 + 9.1	72 - 79	70 - 77	70 - 79	65 - 77	65 - 76	60 - 72	140 + 30	42.7 + 9.1
140 + 40	42.7 + 12.2	72 - 79	70 - 77	70 - 79	65 - 77	65 - 76	60 - 72	140 + 40	42.7 + 12.2
140 + 50	42.7 + 15.2	72 - 79	70 - 77	70 - 79	65 - 77	65 - 76	60 - 74	140 + 50	42.7 + 15.2
140 + 60	42.7 + 18.3	72 - 79	70 - 77	70 - 79	65 - 77	65 - 76	60 - 74	140 + 60	42.7 + 18.3
140 + 70	42.7 + 21.3	74 - 79	70 - 77	70 - 79	70 - 77	65 - 76	60 - 74	140 + 70	42.7 + 21.3
140 + 80	42.7 + 24.4	74 - 79	70 - 77	70 - 79	70 - 77	65 - 76	60 - 74	140 + 80	42.7 + 24.4
150 + 30	45.7 + 9.1	74 - 79	70 - 77	70 - 79	70 - 77	65 - 78	60 - 74	150 + 30	45.7 + 9.1
150 + 40	45.7 + 12.2	74 - 79	70 - 77	70 - 79	70 - 77	65 - 78	60 - 74	150 + 40	45.7 + 12.2
150 + 50	45.7 + 15.2	74 - 79	70 - 77	70 - 79	70 - 77	65 - 78	60 - 74	150 + 50	45.7 + 15.2
150 + 60	45.7 + 18.3	74 - 79	70 - 77	72 - 79	70 - 77	65 - 78	60 - 74	150 + 60	45.7 + 18.3
150 + 70	45.7 + 21.3	76 - 79	70 - 77	72 - 79	70 - 77	65 - 78	65 - 74	150 + 70	45.7 + 21.3
150 + 80	45.7 + 24.4	76 - 79	72 - 77	72 - 79	70 - 77	70 - 78	65 - 74	150 + 80	45.7 + 24.4
160 + 30	48.8 + 9.1	76 - 79	72 - 77	72 - 79	70 - 77	70 - 78	65 - 74	160 + 30	48.8 + 9.1
160 + 40	48.8 + 12.2	76 - 79	72 - 77	72 - 79	70 - 77	70 - 78	65 - 74	160 + 40	48.8 + 12.2
160 + 50	48.8 + 15.2	76 - 79	72 - 77	72 - 79	70 - 77	70 - 78	65 - 76	160 + 50	48.8 + 15.2
160 + 60	48.8 + 18.3	76 - 79	72 - 77	72 - 79	70 - 77	70 - 78	65 - 76	160 + 60	48.8 + 18.3
160 + 70	48.8 + 21.3	76 - 79	72 - 77	74 - 79	70 - 77	70 - 78	65 - 76	160 + 70	48.8 + 21.3
160 + 80	48.8 + 24.4	76 - 79	74 - 77	74 - 79	70 - 77	70 - 78	65 - 76	160 + 80	48.8 + 24.4

Maximum Allowable Travel Specifications

777T

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

Machine Travel Downhill Without Load - Upper Facing Rear									
78,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
170 + 30	51.8 + 9.1	76 - 79	74 - 77	74 - 79	70 - 77	70 - 78	65 - 76	170 + 30	51.8 + 9.1
170 + 40	51.8 + 12.2	76 - 79	74 - 77	74 - 79	70 - 77	70 - 78	65 - 76	170 + 40	51.8 + 12.2
170 + 50	51.8 + 15.2	76 - 79	74 - 77	74 - 79	70 - 77	70 - 78	65 - 76	170 + 50	51.8 + 15.2
170 + 60	51.8 + 18.3	76 - 79	74 - 77	74 - 79	70 - 77	70 - 78	65 - 76	170 + 60	51.8 + 18.3
170 + 70	51.8 + 21.3	78 - 79		74 - 79	70 - 77	70 - 78	65 - 76	170 + 70	51.8 + 21.3
170 + 80	51.8 + 24.4	78 - 79		76 - 79	72 - 77	70 - 78	70 - 76	170 + 80	51.8 + 24.4
180 + 30	54.9 + 9.1	78 - 79		76 - 79	72 - 77	70 - 78	70 - 76	180 + 30	54.9 + 9.1
180 + 40	54.9 + 12.2	78 - 79		76 - 79	72 - 77	70 - 79	70 - 76	180 + 40	54.9 + 12.2
180 + 50	54.9 + 15.2	78 - 79		76 - 79	72 - 77	70 - 79	70 - 76	180 + 50	54.9 + 15.2
180 + 60	54.9 + 18.3	78 - 79		76 - 79	72 - 77	70 - 79	70 - 76	180 + 60	54.9 + 18.3
180 + 70	54.9 + 21.3	78 - 79		76 - 79	72 - 77	70 - 79	70 - 76	180 + 70	54.9 + 21.3
180 + 80	54.9 + 24.4	*		76 - 79	72 - 77	72 - 79	70 - 76	180 + 80	54.9 + 24.4
190 + 30	57.9 + 9.1	78 - 79		76 - 79	72 - 77	72 - 79	70 - 76	190 + 30	57.9 + 9.1
190 + 40	57.9 + 12.2	78 - 79		76 - 79	72 - 77	72 - 79	70 - 76	190 + 40	57.9 + 12.2
190 + 50	57.9 + 15.2	78 - 79		76 - 79	72 - 77	72 - 79	70 - 77	190 + 50	57.9 + 15.2
190 + 60	57.9 + 18.3			76 - 79	72 - 77	72 - 79	70 - 77	190 + 60	57.9 + 18.3
190 + 70	57.9 + 21.3			76 - 79	74 - 77	72 - 79	70 - 77	190 + 70	57.9 + 21.3
190 + 80	57.9 + 24.4			*		72 - 79	70 - 77	190 + 80	57.9 + 24.4
200 + 30	61.0 + 9.1			78 - 79		72 - 79	70 - 77	200 + 30	61.0 + 9.1
200 + 40	61.0 + 12.2			78 - 79		72 - 79	70 - 77	200 + 40	61.0 + 12.2
200 + 50	61.0 + 15.2			78 - 79		72 - 79	70 - 77	200 + 50	61.0 + 15.2
200 + 60	61.0 + 18.3					72 - 79	70 - 77	200 + 60	61.0 + 18.3
200 + 70	61.0 + 21.3					74 - 79	70 - 77	200 + 70	61.0 + 21.3
200 + 80	61.0 + 24.4					74 - 79	70 - 77	200 + 80	61.0 + 24.4
210 + 30	64.0 + 9.1					74 - 79	70 - 77	210 + 30	64.0 + 9.1
210 + 40	64.0 + 12.2					74 - 79	70 - 77	210 + 40	64.0 + 12.2
210 + 50	64.0 + 15.2					74 - 79	70 - 77	210 + 50	64.0 + 15.2
210 + 60	64.0 + 18.3					74 - 79	70 - 77	210 + 60	64.0 + 18.3
210 + 70	64.0 + 21.3					74 - 79	70 - 77	210 + 70	64.0 + 21.3
220 + 30	67.1 + 9.1					74 - 79	72 - 77	220 + 30	67.1 + 9.1
220 + 40	67.1 + 12.2					74 - 79	72 - 77	220 + 40	67.1 + 12.2
220 + 50	67.1 + 15.2					74 - 79	72 - 77	220 + 50	67.1 + 15.2
220 + 60	67.1 + 18.3					74 - 79	72 - 77	220 + 60	67.1 + 18.3
230 + 30	70.1 + 9.1					74 - 79	72 - 77	230 + 30	70.1 + 9.1

Maximum Allowable Travel Specifications

777T

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

Machine Travel Uphill Without Load - Upper Facing Front									
78,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
100 + 30	30.5 + 9.1	45 - 60	45 - 60	45 - 65	45 - 60	50 - 79	45 - 76	100 + 30	30.5 + 9.1
100 + 40	30.5 + 12.2	45 - 60	45 - 60	45 - 70	45 - 65	55 - 79	50 - 76	100 + 40	30.5 + 12.2
100 + 50	30.5 + 15.2	45 - 65	45 - 60	45 - 70	45 - 65	55 - 79	50 - 76	100 + 50	30.5 + 15.2
100 + 60	30.5 + 18.3	45 - 65	45 - 60	45 - 70	45 - 65	60 - 79	50 - 76	100 + 60	30.5 + 18.3
100 + 70	30.5 + 21.3	45 - 65	45 - 60	45 - 70	45 - 65	60 - 79	55 - 76	100 + 70	30.5 + 21.3
100 + 80	30.5 + 24.4	45 - 65	45 - 60	50 - 70	45 - 65	60 - 79	55 - 76	100 + 80	30.5 + 24.4
110 + 30	33.5 + 9.1	45 - 65	45 - 60	50 - 70	45 - 65	60 - 79	55 - 76	110 + 30	33.5 + 9.1
110 + 40	33.5 + 12.2	45 - 65	45 - 60	50 - 72	45 - 65	60 - 79	55 - 77	110 + 40	33.5 + 12.2
110 + 50	33.5 + 15.2	45 - 65	45 - 60	50 - 72	45 - 65	60 - 79	55 - 77	110 + 50	33.5 + 15.2
110 + 60	33.5 + 18.3	45 - 65	45 - 60	50 - 72	45 - 65	60 - 79	60 - 77	110 + 60	33.5 + 18.3
110 + 70	33.5 + 21.3	45 - 65	45 - 60	50 - 72	45 - 65	65 - 79	60 - 77	110 + 70	33.5 + 21.3
110 + 80	33.5 + 24.4	50 - 65	45 - 60	55 - 72	50 - 65	65 - 79	60 - 77	110 + 80	33.5 + 24.4
120 + 30	36.6 + 9.1	50 - 65	45 - 60	55 - 72	50 - 65	65 - 79	60 - 77	120 + 30	36.6 + 9.1
120 + 40	36.6 + 12.2	50 - 65	45 - 60	55 - 72	50 - 65	65 - 79	60 - 77	120 + 40	36.6 + 12.2
120 + 50	36.6 + 15.2	50 - 70	45 - 65	55 - 74	50 - 70	65 - 79	60 - 77	120 + 50	36.6 + 15.2
120 + 60	36.6 + 18.3	50 - 70	45 - 65	55 - 74	50 - 70	65 - 79	60 - 77	120 + 60	36.6 + 18.3
120 + 70	36.6 + 21.3	50 - 70	45 - 65	55 - 74	50 - 70	65 - 79	60 - 77	120 + 70	36.6 + 21.3
120 + 80	36.6 + 24.4	50 - 70	45 - 65	60 - 74	50 - 70	70 - 79	60 - 77	120 + 80	36.6 + 24.4
130 + 30	39.6 + 9.1	50 - 70	45 - 65	60 - 74	50 - 70	70 - 79	60 - 77	130 + 30	39.6 + 9.1
130 + 40	39.6 + 12.2	50 - 70	45 - 65	60 - 74	50 - 70	70 - 79	60 - 77	130 + 40	39.6 + 12.2
130 + 50	39.6 + 15.2	50 - 70	45 - 65	60 - 74	50 - 72	70 - 79	60 - 77	130 + 50	39.6 + 15.2
130 + 60	39.6 + 18.3	50 - 72	50 - 65	60 - 74	55 - 72	70 - 79	65 - 77	130 + 60	39.6 + 18.3
130 + 70	39.6 + 21.3	55 - 72	50 - 65	60 - 74	55 - 72	70 - 79	65 - 77	130 + 70	39.6 + 21.3
130 + 80	39.6 + 24.4	55 - 72	50 - 65	60 - 74	55 - 72	70 - 79	65 - 77	130 + 80	39.6 + 24.4
140 + 30	42.7 + 9.1	55 - 72	50 - 65	60 - 74	55 - 72	70 - 79	65 - 77	140 + 30	42.7 + 9.1
140 + 40	42.7 + 12.2	55 - 72	50 - 70	60 - 76	55 - 72	70 - 79	65 - 77	140 + 40	42.7 + 12.2
140 + 50	42.7 + 15.2	55 - 72	50 - 70	60 - 76	55 - 72	70 - 79	65 - 77	140 + 50	42.7 + 15.2
140 + 60	42.7 + 18.3	60 - 72	50 - 70	60 - 76	60 - 72	70 - 79	65 - 77	140 + 60	42.7 + 18.3
140 + 70	42.7 + 21.3	60 - 72	55 - 70	65 - 76	60 - 72	70 - 79	70 - 77	140 + 70	42.7 + 21.3
140 + 80	42.7 + 24.4	60 - 72	55 - 70	65 - 76	60 - 72	70 - 79	70 - 77	140 + 80	42.7 + 24.4
150 + 30	45.7 + 9.1	60 - 72	55 - 70	65 - 76	60 - 72	70 - 79	70 - 77	150 + 30	45.7 + 9.1
150 + 40	45.7 + 12.2	60 - 74	55 - 70	65 - 76	60 - 74	70 - 79	70 - 77	150 + 40	45.7 + 12.2
150 + 50	45.7 + 15.2	60 - 74	55 - 70	65 - 76	60 - 74	70 - 79	70 - 77	150 + 50	45.7 + 15.2
150 + 60	45.7 + 18.3	60 - 74	60 - 70	65 - 78	60 - 74	70 - 79	70 - 77	150 + 60	45.7 + 18.3
150 + 70	45.7 + 21.3	60 - 74	60 - 70	65 - 78	60 - 74	72 - 79	70 - 77	150 + 70	45.7 + 21.3
150 + 80	45.7 + 24.4	65 - 74	60 - 70	70 - 78	60 - 74	72 - 79	70 - 77	150 + 80	45.7 + 24.4
160 + 30	48.8 + 9.1	65 - 74	60 - 70	70 - 78	60 - 74	72 - 79	70 - 77	160 + 30	48.8 + 9.1
160 + 40	48.8 + 12.2	65 - 74	60 - 72	70 - 78	60 - 74	72 - 79	70 - 77	160 + 40	48.8 + 12.2
160 + 50	48.8 + 15.2	65 - 76	60 - 72	70 - 78	60 - 74	72 - 79	70 - 77	160 + 50	48.8 + 15.2
160 + 60	48.8 + 18.3	65 - 76	60 - 72	70 - 78	60 - 74	72 - 79	70 - 77	160 + 60	48.8 + 18.3
160 + 70	48.8 + 21.3	65 - 76	60 - 72	70 - 78	65 - 74	74 - 79	70 - 77	160 + 70	48.8 + 21.3
160 + 80	48.8 + 24.4	65 - 76	60 - 72	70 - 78	65 - 74	74 - 79	70 - 77	160 + 80	48.8 + 24.4

Maximum Allowable Travel Specifications

777T

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

Machine Travel Uphill Without Load - Upper Facing Front									
78,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
170 + 30	51.8 + 9.1	65 - 76	60 - 72	70 - 78	65 - 74	74 - 79	70 - 77	170 + 30	51.8 + 9.1
170 + 40	51.8 + 12.2	65 - 76	60 - 72	70 - 78	65 - 76	74 - 79	70 - 77	170 + 40	51.8 + 12.2
170 + 50	51.8 + 15.2	65 - 76	60 - 72	70 - 78	65 - 76	74 - 79	70 - 77	170 + 50	51.8 + 15.2
170 + 60	51.8 + 18.3	65 - 76	60 - 72	70 - 78	65 - 76	74 - 79	70 - 77	170 + 60	51.8 + 18.3
170 + 70	51.8 + 21.3	65 - 76	60 - 72	70 - 78	65 - 76	74 - 79	70 - 77	170 + 70	51.8 + 21.3
170 + 80	51.8 + 24.4	70 - 76	65 - 72	70 - 78	65 - 76	76 - 79	72 - 77	170 + 80	51.8 + 24.4
180 + 30	54.9 + 9.1	70 - 76	65 - 72	70 - 78	65 - 76	76 - 79	72 - 77	180 + 30	54.9 + 9.1
180 + 40	54.9 + 12.2	70 - 76	65 - 74	70 - 78	65 - 76	76 - 79	72 - 77	180 + 40	54.9 + 12.2
180 + 50	54.9 + 15.2	70 - 76	65 - 74	70 - 79	65 - 76	76 - 79	72 - 77	180 + 50	54.9 + 15.2
180 + 60	54.9 + 18.3	70 - 76	65 - 74	70 - 79	70 - 76	76 - 79	72 - 77	180 + 60	54.9 + 18.3
180 + 70	54.9 + 21.3	70 - 76	65 - 74	70 - 79	70 - 76	76 - 79	72 - 77	180 + 70	54.9 + 21.3
180 + 80	54.9 + 24.4	*	*	70 - 79	70 - 76	76 - 79	72 - 77	180 + 80	54.9 + 24.4
190 + 30	57.9 + 9.1	70 - 76	65 - 74	70 - 79	70 - 76	76 - 79	72 - 77	190 + 30	57.9 + 9.1
190 + 40	57.9 + 12.2	70 - 78	65 - 74	70 - 79	70 - 76	76 - 79	72 - 77	190 + 40	57.9 + 12.2
190 + 50	57.9 + 15.2	70 - 78	65 - 74	70 - 79	70 - 76	76 - 79	72 - 77	190 + 50	57.9 + 15.2
190 + 60	57.9 + 18.3			72 - 79	70 - 76	76 - 79	72 - 77	190 + 60	57.9 + 18.3
190 + 70	57.9 + 21.3			72 - 79	70 - 76	78 - 79		190 + 70	57.9 + 21.3
190 + 80	57.9 + 24.4			*	*	78 - 79		190 + 80	57.9 + 24.4
200 + 30	61.0 + 9.1			72 - 79	70 - 76	78 - 79		200 + 30	61.0 + 9.1
200 + 40	61.0 + 12.2			72 - 79	70 - 77	78 - 79		200 + 40	61.0 + 12.2
200 + 50	61.0 + 15.2			72 - 79	70 - 77	78 - 79		200 + 50	61.0 + 15.2
200 + 60	61.0 + 18.3					78 - 79		200 + 60	61.0 + 18.3
200 + 70	61.0 + 21.3					78 - 79		200 + 70	61.0 + 21.3
200 + 80	61.0 + 24.4					78 - 79		200 + 80	61.0 + 24.4
210 + 30	64.0 + 9.1					78 - 79		210 + 30	64.0 + 9.1
210 + 40	64.0 + 12.2					78 - 79		210 + 40	64.0 + 12.2
210 + 50	64.0 + 15.2					78 - 79		210 + 50	64.0 + 15.2
210 + 60	64.0 + 18.3					78 - 79		210 + 60	64.0 + 18.3

Maximum Allowable Travel Specifications

777T

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

Machine Travel Downhill Without Load - Upper Facing Front									
78,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
100 + 30	30.5 + 9.1	45 - 60	45 - 70	45 - 70	45 - 74	55 - 79	60 - 77	100 + 30	30.5 + 9.1
100 + 40	30.5 + 12.2	45 - 65	45 - 70	45 - 70	45 - 76	55 - 79	60 - 77	100 + 40	30.5 + 12.2
100 + 50	30.5 + 15.2	45 - 65	45 - 70	45 - 70	45 - 76	60 - 79	60 - 77	100 + 50	30.5 + 15.2
100 + 60	30.5 + 18.3	45 - 65	45 - 72	45 - 72	45 - 76	60 - 79	65 - 77	100 + 60	30.5 + 18.3
100 + 70	30.5 + 21.3	45 - 65	45 - 72	45 - 72	50 - 76	60 - 79	65 - 77	100 + 70	30.5 + 21.3
100 + 80	30.5 + 24.4	45 - 65	45 - 72	50 - 72	55 - 76	60 - 79	65 - 77	100 + 80	30.5 + 24.4
110 + 30	33.5 + 9.1	45 - 65	45 - 72	50 - 72	55 - 76	60 - 79	65 - 77	110 + 30	33.5 + 9.1
110 + 40	33.5 + 12.2	45 - 65	45 - 72	50 - 72	55 - 76	60 - 79	65 - 77	110 + 40	33.5 + 12.2
110 + 50	33.5 + 15.2	45 - 65	45 - 72	50 - 72	55 - 77	60 - 79	65 - 77	110 + 50	33.5 + 15.2
110 + 60	33.5 + 18.3	45 - 65	50 - 72	50 - 72	55 - 77	65 - 79	70 - 77	110 + 60	33.5 + 18.3
110 + 70	33.5 + 21.3	45 - 65	50 - 74	50 - 72	55 - 77	65 - 79	70 - 77	110 + 70	33.5 + 21.3
110 + 80	33.5 + 24.4	50 - 65	50 - 74	55 - 72	60 - 77	65 - 79	70 - 77	110 + 80	33.5 + 24.4
120 + 30	36.6 + 9.1	50 - 65	50 - 74	55 - 72	60 - 77	65 - 79	70 - 77	120 + 30	36.6 + 9.1
120 + 40	36.6 + 12.2	50 - 70	50 - 74	55 - 74	60 - 77	65 - 79	70 - 77	120 + 40	36.6 + 12.2
120 + 50	36.6 + 15.2	50 - 70	50 - 74	55 - 74	60 - 77	65 - 79	70 - 77	120 + 50	36.6 + 15.2
120 + 60	36.6 + 18.3	50 - 70	50 - 74	55 - 74	60 - 77	65 - 79	70 - 77	120 + 60	36.6 + 18.3
120 + 70	36.6 + 21.3	50 - 70	55 - 74	55 - 74	60 - 77	70 - 79	70 - 77	120 + 70	36.6 + 21.3
120 + 80	36.6 + 24.4	50 - 70	55 - 74	60 - 74	60 - 77	70 - 79	70 - 77	120 + 80	36.6 + 24.4
130 + 30	39.6 + 9.1	50 - 70	55 - 74	60 - 74	60 - 77	70 - 79	70 - 77	130 + 30	39.6 + 9.1
130 + 40	39.6 + 12.2	50 - 72	55 - 76	60 - 74	60 - 77	70 - 79	70 - 77	130 + 40	39.6 + 12.2
130 + 50	39.6 + 15.2	50 - 72	55 - 76	60 - 76	60 - 77	70 - 79	70 - 77	130 + 50	39.6 + 15.2
130 + 60	39.6 + 18.3	55 - 72	60 - 76	60 - 76	60 - 77	70 - 79	70 - 77	130 + 60	39.6 + 18.3
130 + 70	39.6 + 21.3	55 - 72	60 - 76	60 - 76	65 - 77	70 - 79	72 - 77	130 + 70	39.6 + 21.3
130 + 80	39.6 + 24.4	60 - 72	60 - 76	60 - 76	65 - 77	70 - 79	72 - 77	130 + 80	39.6 + 24.4
140 + 30	42.7 + 9.1	60 - 72	60 - 76	60 - 76	65 - 77	70 - 79	72 - 77	140 + 30	42.7 + 9.1
140 + 40	42.7 + 12.2	60 - 72	60 - 76	60 - 76	65 - 77	70 - 79	72 - 77	140 + 40	42.7 + 12.2
140 + 50	42.7 + 15.2	60 - 74	60 - 77	60 - 76	65 - 77	70 - 79	72 - 77	140 + 50	42.7 + 15.2
140 + 60	42.7 + 18.3	60 - 74	60 - 77	60 - 78	65 - 77	70 - 79	72 - 77	140 + 60	42.7 + 18.3
140 + 70	42.7 + 21.3	60 - 74	65 - 77	65 - 78	70 - 77	70 - 79	74 - 77	140 + 70	42.7 + 21.3
140 + 80	42.7 + 24.4	60 - 74	65 - 77	65 - 78	70 - 77	72 - 79	74 - 77	140 + 80	42.7 + 24.4
150 + 30	45.7 + 9.1	60 - 74	65 - 77	65 - 78	70 - 77	72 - 79	74 - 77	150 + 30	45.7 + 9.1
150 + 40	45.7 + 12.2	60 - 74	65 - 77	65 - 78	70 - 77	72 - 79	74 - 77	150 + 40	45.7 + 12.2
150 + 50	45.7 + 15.2	60 - 74	65 - 77	65 - 78	70 - 77	72 - 79	74 - 77	150 + 50	45.7 + 15.2
150 + 60	45.7 + 18.3	60 - 76	65 - 77	65 - 78	70 - 77	72 - 79	76 - 77	150 + 60	45.7 + 18.3
150 + 70	45.7 + 21.3	65 - 76	65 - 77	65 - 78	70 - 77	72 - 79	76 - 77	150 + 70	45.7 + 21.3
150 + 80	45.7 + 24.4	65 - 76	70 - 77	70 - 78	70 - 77	74 - 79	76 - 77	150 + 80	45.7 + 24.4
160 + 30	48.8 + 9.1	65 - 76	70 - 77	70 - 78	70 - 77	74 - 79	76 - 77	160 + 30	48.8 + 9.1
160 + 40	48.8 + 12.2	65 - 76	70 - 77	70 - 78	70 - 77	74 - 79	76 - 77	160 + 40	48.8 + 12.2
160 + 50	48.8 + 15.2	65 - 76	70 - 77	70 - 78	70 - 77	74 - 79	76 - 77	160 + 50	48.8 + 15.2
160 + 60	48.8 + 18.3	65 - 76	70 - 77	70 - 78	70 - 77	74 - 79	76 - 77	160 + 60	48.8 + 18.3
160 + 70	48.8 + 21.3	65 - 76	70 - 77	70 - 78	70 - 77	74 - 79		160 + 70	48.8 + 21.3
160 + 80	48.8 + 24.4	65 - 76	70 - 77	70 - 78	72 - 77	76 - 79		160 + 80	48.8 + 24.4

Maximum Allowable Travel Specifications

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

Machine Travel Downhill Without Load - Upper Facing Front									
78,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
170 + 30	51.8 + 9.1	65 - 76	70 - 77	70 - 78	72 - 77	76 - 79		170 + 30	51.8 + 9.1
170 + 40	51.8 + 12.2	65 - 76	70 - 77	70 - 78	72 - 77	76 - 79		170 + 40	51.8 + 12.2
170 + 50	51.8 + 15.2	65 - 76	70 - 77	70 - 79	72 - 77	76 - 79		170 + 50	51.8 + 15.2
170 + 60	51.8 + 18.3	65 - 76	70 - 77	70 - 79	72 - 77	76 - 79		170 + 60	51.8 + 18.3
170 + 70	51.8 + 21.3	70 - 76	70 - 77	70 - 79	72 - 77	76 - 79		170 + 70	51.8 + 21.3
170 + 80	51.8 + 24.4	70 - 76	70 - 77	70 - 79	72 - 77	76 - 79		170 + 80	51.8 + 24.4
180 + 30	54.9 + 9.1	70 - 76	70 - 77	70 - 79	72 - 77	76 - 79		180 + 30	54.9 + 9.1
180 + 40	54.9 + 12.2	70 - 78	70 - 77	70 - 79	72 - 77	76 - 79		180 + 40	54.9 + 12.2
180 + 50	54.9 + 15.2	70 - 78	70 - 77	70 - 79	72 - 77	76 - 79		180 + 50	54.9 + 15.2
180 + 60	54.9 + 18.3	70 - 78	70 - 77	70 - 79	74 - 77	76 - 79		180 + 60	54.9 + 18.3
180 + 70	54.9 + 21.3	70 - 78	72 - 77	70 - 79	74 - 77	76 - 79		180 + 70	54.9 + 21.3
180 + 80	54.9 + 24.4	*	*	72 - 79	74 - 77	78 - 79		180 + 80	54.9 + 24.4
190 + 30	57.9 + 9.1	70 - 78	72 - 77	72 - 79	74 - 77	78 - 79		190 + 30	57.9 + 9.1
190 + 40	57.9 + 12.2	70 - 78	72 - 77	72 - 79	74 - 77	78 - 79		190 + 40	57.9 + 12.2
190 + 50	57.9 + 15.2	70 - 78	72 - 77	72 - 79	74 - 77	78 - 79		190 + 50	57.9 + 15.2
190 + 60	57.9 + 18.3			72 - 79	74 - 77	78 - 79		190 + 60	57.9 + 18.3
190 + 70	57.9 + 21.3			72 - 79	76 - 77	78 - 79		190 + 70	57.9 + 21.3
190 + 80	57.9 + 24.4			*	*	78 - 79		190 + 80	57.9 + 24.4
200 + 30	61.0 + 9.1			72 - 79	76 - 77	78 - 79		200 + 30	61.0 + 9.1
200 + 40	61.0 + 12.2			72 - 79	76 - 77	78 - 79		200 + 40	61.0 + 12.2
200 + 50	61.0 + 15.2			72 - 79	76 - 77	78 - 79		200 + 50	61.0 + 15.2
200 + 60	61.0 + 18.3					78 - 79		200 + 60	61.0 + 18.3
200 + 70	61.0 + 21.3					78 - 79		200 + 70	61.0 + 21.3

Maximum Allowable Travel Specifications

777T

**Boom No. 78TA With Heavy Lift Top
Jib No. 134 With 12 Ft. 6 in. (3 810 mm) Strut**

Machine Travel Uphill Without Load - Upper Facing Rear									
95,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
100 + 30	30.5 + 9.1	55 - 79	60 - 77	50 - 76	50 - 77	45 - 60	45 - 70	100 + 30	30.5 + 9.1
100 + 40	30.5 + 12.2	55 - 79	60 - 77	50 - 76	55 - 77	45 - 60	45 - 70	100 + 40	30.5 + 12.2
100 + 50	30.5 + 15.2	60 - 79	60 - 77	50 - 78	55 - 77	45 - 65	45 - 70	100 + 50	30.5 + 15.2
100 + 60	30.5 + 18.3	60 - 79	65 - 77	55 - 78	60 - 77	45 - 65	45 - 72	100 + 60	30.5 + 18.3
100 + 70	30.5 + 21.3	60 - 79	65 - 77	55 - 78	60 - 77	45 - 65	50 - 72	100 + 70	30.5 + 21.3
100 + 80	30.5 + 24.4	65 - 79	70 - 77	60 - 78	60 - 77	45 - 65	50 - 72	100 + 80	30.5 + 24.4
110 + 30	33.5 + 9.1	65 - 79	70 - 77	60 - 78	60 - 77	45 - 65	50 - 72	110 + 30	33.5 + 9.1
110 + 40	33.5 + 12.2	65 - 79	70 - 77	60 - 78	60 - 77	45 - 65	50 - 72	110 + 40	33.5 + 12.2
110 + 50	33.5 + 15.2	65 - 79	70 - 77	60 - 78	60 - 77	45 - 65	50 - 72	110 + 50	33.5 + 15.2
110 + 60	33.5 + 18.3	65 - 79	70 - 77	60 - 78	65 - 77	50 - 65	50 - 72	110 + 60	33.5 + 18.3
110 + 70	33.5 + 21.3	65 - 79	70 - 77	60 - 78	65 - 77	50 - 65	55 - 72	110 + 70	33.5 + 21.3
110 + 80	33.5 + 24.4	65 - 79	70 - 77	60 - 78	65 - 77	50 - 65	55 - 72	110 + 80	33.5 + 24.4
120 + 30	36.6 + 9.1	65 - 79	70 - 77	60 - 78	65 - 77	50 - 65	55 - 72	120 + 30	36.6 + 9.1
120 + 40	36.6 + 12.2	65 - 79	70 - 77	60 - 78	65 - 77	50 - 65	55 - 74	120 + 40	36.6 + 12.2
120 + 50	36.6 + 15.2	65 - 79	70 - 77	60 - 78	65 - 77	50 - 70	55 - 74	120 + 50	36.6 + 15.2
120 + 60	36.6 + 18.3	65 - 79	70 - 77	60 - 79	65 - 77	50 - 70	55 - 74	120 + 60	36.6 + 18.3
120 + 70	36.6 + 21.3	70 - 79	70 - 77	65 - 79	65 - 77	55 - 70	60 - 74	120 + 70	36.6 + 21.3
120 + 80	36.6 + 24.4	70 - 79	70 - 77	65 - 79	70 - 77	55 - 70	60 - 74	120 + 80	36.6 + 24.4
130 + 30	39.6 + 9.1	70 - 79	70 - 77	65 - 79	70 - 77	55 - 70	60 - 74	130 + 30	39.6 + 9.1
130 + 40	39.6 + 12.2	70 - 79	70 - 77	65 - 79	70 - 77	55 - 70	60 - 74	130 + 40	39.6 + 12.2
130 + 50	39.6 + 15.2	70 - 79	70 - 77	65 - 79	70 - 77	55 - 70	60 - 76	130 + 50	39.6 + 15.2
130 + 60	39.6 + 18.3	70 - 79	70 - 77	65 - 79	70 - 77	55 - 72	60 - 76	130 + 60	39.6 + 18.3
130 + 70	39.6 + 21.3	70 - 79	72 - 77	65 - 79	70 - 77	60 - 72	60 - 76	130 + 70	39.6 + 21.3
130 + 80	39.6 + 24.4	70 - 79	72 - 77	70 - 79	70 - 77	60 - 72	60 - 76	130 + 80	39.6 + 24.4
140 + 30	42.7 + 9.1	70 - 79	72 - 77	70 - 79	70 - 77	60 - 72	60 - 76	140 + 30	42.7 + 9.1
140 + 40	42.7 + 12.2	70 - 79	72 - 77	70 - 79	70 - 77	60 - 72	60 - 76	140 + 40	42.7 + 12.2
140 + 50	42.7 + 15.2	70 - 79	72 - 77	70 - 79	70 - 77	60 - 72	60 - 76	140 + 50	42.7 + 15.2
140 + 60	42.7 + 18.3	70 - 79	72 - 77	70 - 79	70 - 77	60 - 72	65 - 77	140 + 60	42.7 + 18.3
140 + 70	42.7 + 21.3	70 - 79	74 - 77	70 - 79	70 - 77	60 - 72	65 - 77	140 + 70	42.7 + 21.3
140 + 80	42.7 + 24.4	72 - 79	74 - 77	70 - 79	72 - 77	60 - 72	65 - 77	140 + 80	42.7 + 24.4
150 + 30	45.7 + 9.1	72 - 79	74 - 77	70 - 79	72 - 77	60 - 72	65 - 77	150 + 30	45.7 + 9.1
150 + 40	45.7 + 12.2	72 - 79	74 - 77	70 - 79	72 - 77	60 - 74	65 - 77	150 + 40	45.7 + 12.2
150 + 50	45.7 + 15.2	72 - 79	74 - 77	70 - 79	72 - 77	60 - 74	65 - 77	150 + 50	45.7 + 15.2
150 + 60	45.7 + 18.3	72 - 79	74 - 77	70 - 79	72 - 77	65 - 74	65 - 77	150 + 60	45.7 + 18.3
150 + 70	45.7 + 21.3	72 - 79	76 - 77	70 - 79	72 - 77	65 - 74	70 - 77	150 + 70	45.7 + 21.3
150 + 80	45.7 + 24.4	74 - 79	76 - 77	70 - 79	74 - 77	65 - 74	70 - 77	150 + 80	45.7 + 24.4
160 + 30	48.8 + 9.1	74 - 79	76 - 77	70 - 79	74 - 77	65 - 74	70 - 77	160 + 30	48.8 + 9.1
160 + 40	48.8 + 12.2	74 - 79	76 - 77	70 - 79	74 - 77	65 - 74	70 - 77	160 + 40	48.8 + 12.2
160 + 50	48.8 + 15.2	74 - 79	76 - 77	70 - 79	74 - 77	65 - 74	70 - 77	160 + 50	48.8 + 15.2
160 + 60	48.8 + 18.3	74 - 79	76 - 77	70 - 79	74 - 77	65 - 76	70 - 77	160 + 60	48.8 + 18.3
160 + 70	48.8 + 21.3	74 - 79		72 - 79	74 - 77	70 - 76	70 - 77	160 + 70	48.8 + 21.3
160 + 80	48.8 + 24.4	74 - 79		72 - 79	76 - 77	70 - 76	70 - 77	160 + 80	48.8 + 24.4

Maximum Allowable Travel Specifications

777T

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

Machine Travel Uphill Without Load - Upper Facing Rear									
95,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
170 + 30	51.8 + 9.1	74 - 79		72 - 79	76 - 77	70 - 76	70 - 77	170 + 30	51.8 + 9.1
170 + 40	51.8 + 12.2	74 - 79		72 - 79	76 - 77	70 - 76	70 - 77	170 + 40	51.8 + 12.2
170 + 50	51.8 + 15.2	74 - 79		72 - 79	76 - 77	70 - 76	70 - 77	170 + 50	51.8 + 15.2
170 + 60	51.8 + 18.3	74 - 79		72 - 79	76 - 77	70 - 76	70 - 77	170 + 60	51.8 + 18.3
170 + 70	51.8 + 21.3	74 - 79		72 - 79	76 - 77	70 - 76	70 - 77	170 + 70	51.8 + 21.3
170 + 80	51.8 + 24.4	76 - 79		72 - 79	76 - 77	70 - 76	70 - 77	170 + 80	51.8 + 24.4
180 + 30	54.9 + 9.1	76 - 79		72 - 79	76 - 77	70 - 76	70 - 77	180 + 30	54.9 + 9.1
180 + 40	54.9 + 12.2	76 - 79		72 - 79	76 - 77	70 - 76	70 - 77	180 + 40	54.9 + 12.2
180 + 50	54.9 + 15.2	76 - 79		72 - 79	76 - 77	70 - 76	70 - 77	180 + 50	54.9 + 15.2
180 + 60	54.9 + 18.3	76 - 79		72 - 79	76 - 77	70 - 76	70 - 77	180 + 60	54.9 + 18.3
180 + 70	54.9 + 21.3	76 - 79		74 - 79	76 - 77	70 - 76	72 - 77	180 + 70	54.9 + 21.3
180 + 80	54.9 + 24.4	76 - 79		74 - 79		70 - 76	72 - 77	180 + 80	54.9 + 24.4
190 + 30	57.9 + 9.1	76 - 79		74 - 79		70 - 76	72 - 77	190 + 30	57.9 + 9.1
190 + 40	57.9 + 12.2	76 - 79		74 - 79		70 - 76	72 - 77	190 + 40	57.9 + 12.2
190 + 50	57.9 + 15.2	76 - 79		74 - 79		70 - 78	72 - 77	190 + 50	57.9 + 15.2
190 + 60	57.9 + 18.3	76 - 79		74 - 79		70 - 78	72 - 77	190 + 60	57.9 + 18.3
190 + 70	57.9 + 21.3	78 - 79		74 - 79		70 - 78	74 - 77	190 + 70	57.9 + 21.3
190 + 80	57.9 + 24.4	78 - 79		76 - 79		70 - 78	74 - 77	190 + 80	57.9 + 24.4
200 + 30	61.0 + 9.1	78 - 79		76 - 79		70 - 78	74 - 77	200 + 30	61.0 + 9.1
200 + 40	61.0 + 12.2	78 - 79		76 - 79		70 - 78	74 - 77	200 + 40	61.0 + 12.2
200 + 50	61.0 + 15.2	78 - 79		76 - 79		70 - 78	74 - 77	200 + 50	61.0 + 15.2
200 + 60	61.0 + 18.3	78 - 79		76 - 79		72 - 78	74 - 77	200 + 60	61.0 + 18.3
200 + 70	61.0 + 21.3	*		76 - 79		72 - 78	74 - 77	200 + 70	61.0 + 21.3
200 + 80	61.0 + 24.4	*		76 - 79		72 - 78	76 - 77	200 + 80	61.0 + 24.4
210 + 30	64.0 + 9.1	78 - 79		76 - 79		72 - 78	76 - 77	210 + 30	64.0 + 9.1
210 + 40	64.0 + 12.2			76 - 79		72 - 78	76 - 77	210 + 40	64.0 + 12.2
210 + 50	64.0 + 15.2			76 - 79		72 - 78	76 - 77	210 + 50	64.0 + 15.2
210 + 60	64.0 + 18.3			76 - 79		72 - 78	76 - 77	210 + 60	64.0 + 18.3
210 + 70	64.0 + 21.3			*		72 - 78	76 - 77	210 + 70	64.0 + 21.3
210 + 80	64.0 + 24.4			*		74 - 78	76 - 77	210 + 80	64.0 + 24.4
220 + 30	67.1 + 9.1			76 - 79		74 - 78	76 - 77	220 + 30	67.1 + 9.1
220 + 40	67.1 + 12.2			76 - 79		74 - 78	76 - 77	220 + 40	67.1 + 12.2
220 + 50	67.1 + 15.2					74 - 79	76 - 77	220 + 50	67.1 + 15.2
220 + 60	67.1 + 18.3					74 - 79	76 - 77	220 + 60	67.1 + 18.3
220 + 70	67.1 + 21.3					74 - 79	76 - 77	220 + 70	67.1 + 21.3
230 + 30	70.1 + 9.1					74 - 79		230 + 30	70.1 + 9.1
230 + 40	70.1 + 12.2					74 - 79		230 + 40	70.1 + 12.2
230 + 50	70.1 + 15.2					74 - 79		230 + 50	70.1 + 15.2

Maximum Allowable Travel Specifications

777T

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

Machine Travel Downhill Without Load - Upper Facing Rear									
95,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
100 + 30	30.5 + 9.1	55 - 79	50 - 76	45 - 76	45 - 72	45 - 60	45 - 55	100 + 30	30.5 + 9.1
100 + 40	30.5 + 12.2	55 - 79	50 - 77	50 - 76	45 - 72	45 - 60	45 - 60	100 + 40	30.5 + 12.2
100 + 50	30.5 + 15.2	60 - 79	50 - 77	50 - 76	45 - 72	45 - 60	45 - 60	100 + 50	30.5 + 15.2
100 + 60	30.5 + 18.3	60 - 79	55 - 77	50 - 76	50 - 72	45 - 65	45 - 60	100 + 60	30.5 + 18.3
100 + 70	30.5 + 21.3	60 - 79	55 - 77	55 - 76	50 - 72	45 - 65	45 - 60	100 + 70	30.5 + 21.3
100 + 80	30.5 + 24.4	60 - 79	60 - 77	55 - 76	50 - 72	45 - 65	45 - 60	100 + 80	30.5 + 24.4
110 + 30	33.5 + 9.1	60 - 79	60 - 77	55 - 76	50 - 72	45 - 65	45 - 60	110 + 30	33.5 + 9.1
110 + 40	33.5 + 12.2	60 - 79	60 - 77	55 - 76	50 - 74	45 - 65	45 - 60	110 + 40	33.5 + 12.2
110 + 50	33.5 + 15.2	60 - 79	60 - 77	55 - 78	50 - 74	45 - 65	45 - 60	110 + 50	33.5 + 15.2
110 + 60	33.5 + 18.3	60 - 79	60 - 77	55 - 78	50 - 74	45 - 65	45 - 60	110 + 60	33.5 + 18.3
110 + 70	33.5 + 21.3	65 - 79	60 - 77	60 - 78	55 - 74	50 - 65	45 - 60	110 + 70	33.5 + 21.3
110 + 80	33.5 + 24.4	65 - 79	60 - 77	60 - 78	55 - 74	50 - 65	45 - 60	110 + 80	33.5 + 24.4
120 + 30	36.6 + 9.1	65 - 79	60 - 77	60 - 78	55 - 74	50 - 65	45 - 60	120 + 30	36.6 + 9.1
120 + 40	36.6 + 12.2	65 - 79	60 - 77	60 - 78	55 - 74	50 - 65	45 - 60	120 + 40	36.6 + 12.2
120 + 50	36.6 + 15.2	65 - 79	60 - 77	60 - 78	55 - 74	50 - 65	45 - 60	120 + 50	36.6 + 15.2
120 + 60	36.6 + 18.3	65 - 79	60 - 77	60 - 78	55 - 74	50 - 65	45 - 65	120 + 60	36.6 + 18.3
120 + 70	36.6 + 21.3	65 - 79	60 - 77	60 - 78	60 - 74	50 - 65	50 - 65	120 + 70	36.6 + 21.3
120 + 80	36.6 + 24.4	70 - 79	65 - 77	60 - 78	60 - 74	55 - 65	50 - 65	120 + 80	36.6 + 24.4
130 + 30	39.6 + 9.1	70 - 79	65 - 77	60 - 78	60 - 74	55 - 65	50 - 65	130 + 30	39.6 + 9.1
130 + 40	39.6 + 12.2	70 - 79	65 - 77	60 - 78	60 - 76	55 - 70	50 - 65	130 + 40	39.6 + 12.2
130 + 50	39.6 + 15.2	70 - 79	65 - 77	60 - 78	60 - 76	55 - 70	50 - 65	130 + 50	39.6 + 15.2
130 + 60	39.6 + 18.3	70 - 79	65 - 77	65 - 78	60 - 76	55 - 70	50 - 65	130 + 60	39.6 + 18.3
130 + 70	39.6 + 21.3	70 - 79	65 - 77	65 - 78	60 - 76	55 - 70	50 - 65	130 + 70	39.6 + 21.3
130 + 80	39.6 + 24.4	70 - 79	65 - 77	65 - 78	60 - 76	60 - 70	50 - 65	130 + 80	39.6 + 24.4
140 + 30	42.7 + 9.1	70 - 79	65 - 77	65 - 78	60 - 76	60 - 70	50 - 65	140 + 30	42.7 + 9.1
140 + 40	42.7 + 12.2	70 - 79	65 - 77	65 - 79	60 - 76	60 - 70	50 - 65	140 + 40	42.7 + 12.2
140 + 50	42.7 + 15.2	70 - 79	65 - 77	65 - 79	60 - 76	60 - 72	50 - 65	140 + 50	42.7 + 15.2
140 + 60	42.7 + 18.3	70 - 79	65 - 77	65 - 79	60 - 76	60 - 72	55 - 65	140 + 60	42.7 + 18.3
140 + 70	42.7 + 21.3	70 - 79	70 - 77	70 - 79	65 - 76	60 - 72	55 - 65	140 + 70	42.7 + 21.3
140 + 80	42.7 + 24.4	70 - 79	70 - 77	70 - 79	65 - 76	60 - 72	55 - 65	140 + 80	42.7 + 24.4
150 + 30	45.7 + 9.1	70 - 79	70 - 77	70 - 79	65 - 76	60 - 72	55 - 65	150 + 30	45.7 + 9.1
150 + 40	45.7 + 12.2	70 - 79	70 - 77	70 - 79	65 - 76	60 - 72	55 - 65	150 + 40	45.7 + 12.2
150 + 50	45.7 + 15.2	70 - 79	70 - 77	70 - 79	65 - 76	60 - 72	55 - 70	150 + 50	45.7 + 15.2
150 + 60	45.7 + 18.3	70 - 79	70 - 77	70 - 79	65 - 76	60 - 74	60 - 70	150 + 60	45.7 + 18.3
150 + 70	45.7 + 21.3	72 - 79	70 - 77	70 - 79	65 - 76	65 - 74	60 - 70	150 + 70	45.7 + 21.3
150 + 80	45.7 + 24.4	72 - 79	70 - 77	70 - 79	70 - 76	65 - 74	60 - 70	150 + 80	45.7 + 24.4
160 + 30	48.8 + 9.1	72 - 79	70 - 77	70 - 79	70 - 77	65 - 74	60 - 70	160 + 30	48.8 + 9.1
160 + 40	48.8 + 12.2	72 - 79	70 - 77	70 - 79	70 - 77	65 - 74	60 - 70	160 + 40	48.8 + 12.2
160 + 50	48.8 + 15.2	72 - 79	70 - 77	70 - 79	70 - 77	65 - 74	60 - 70	160 + 50	48.8 + 15.2
160 + 60	48.8 + 18.3	72 - 79	70 - 77	70 - 79	70 - 77	65 - 74	60 - 70	160 + 60	48.8 + 18.3
160 + 70	48.8 + 21.3	74 - 79	70 - 77	70 - 79	70 - 77	65 - 74	60 - 70	160 + 70	48.8 + 21.3
160 + 80	48.8 + 24.4	74 - 79	70 - 77	72 - 79	70 - 77	70 - 74	65 - 70	160 + 80	48.8 + 24.4

Maximum Allowable Travel Specifications

777T

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

Machine Travel Downhill Without Load - Upper Facing Rear									
95,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
170 + 30	51.8 + 9.1	74 - 79	70 - 77	72 - 79	70 - 77	70 - 74	65 - 70	170 + 30	51.8 + 9.1
170 + 40	51.8 + 12.2	74 - 79	70 - 77	72 - 79	70 - 77	70 - 74	65 - 72	170 + 40	51.8 + 12.2
170 + 50	51.8 + 15.2	74 - 79	70 - 77	72 - 79	70 - 77	70 - 74	65 - 72	170 + 50	51.8 + 15.2
170 + 60	51.8 + 18.3	74 - 79	70 - 77	72 - 79	70 - 77	70 - 74	65 - 72	170 + 60	51.8 + 18.3
170 + 70	51.8 + 21.3	74 - 79	70 - 77	72 - 79	70 - 77	70 - 74	65 - 72	170 + 70	51.8 + 21.3
170 + 80	51.8 + 24.4	76 - 79	70 - 77	72 - 79	70 - 77	70 - 74	65 - 72	170 + 80	51.8 + 24.4
180 + 30	54.9 + 9.1	76 - 79	70 - 77	72 - 79	70 - 77	70 - 74	65 - 72	180 + 30	54.9 + 9.1
180 + 40	54.9 + 12.2	76 - 79	70 - 77	72 - 79	70 - 77	70 - 76	65 - 72	180 + 40	54.9 + 12.2
180 + 50	54.9 + 15.2	76 - 79	70 - 77	72 - 79	70 - 77	70 - 76	65 - 72	180 + 50	54.9 + 15.2
180 + 60	54.9 + 18.3	76 - 79	70 - 77	72 - 79	70 - 77	70 - 76	65 - 72	180 + 60	54.9 + 18.3
180 + 70	54.9 + 21.3	76 - 79	72 - 77	72 - 79	70 - 77	70 - 76	65 - 72	180 + 70	54.9 + 21.3
180 + 80	54.9 + 24.4	76 - 79	72 - 77	74 - 79	70 - 77	70 - 76	65 - 72	180 + 80	54.9 + 24.4
190 + 30	57.9 + 9.1	76 - 79	72 - 77	74 - 79	70 - 77	70 - 76	65 - 72	190 + 30	57.9 + 9.1
190 + 40	57.9 + 12.2	76 - 79	72 - 77	74 - 79	70 - 77	70 - 76	65 - 72	190 + 40	57.9 + 12.2
190 + 50	57.9 + 15.2	76 - 79	72 - 77	74 - 79	70 - 77	70 - 76	65 - 74	190 + 50	57.9 + 15.2
190 + 60	57.9 + 18.3	76 - 79	72 - 77	74 - 79	70 - 77	70 - 76	65 - 74	190 + 60	57.9 + 18.3
190 + 70	57.9 + 21.3	76 - 79	72 - 77	74 - 79	70 - 77	70 - 76	70 - 74	190 + 70	57.9 + 21.3
190 + 80	57.9 + 24.4	78 - 79		74 - 79	70 - 77	70 - 76	70 - 74	190 + 80	57.9 + 24.4
200 + 30	61.0 + 9.1	78 - 79		74 - 79	70 - 77	70 - 76	70 - 74	200 + 30	61.0 + 9.1
200 + 40	61.0 + 12.2	78 - 79		74 - 79	70 - 77	70 - 76	70 - 74	200 + 40	61.0 + 12.2
200 + 50	61.0 + 15.2	78 - 79		74 - 79	70 - 77	70 - 78	70 - 74	200 + 50	61.0 + 15.2
200 + 60	61.0 + 18.3	78 - 79		74 - 79	72 - 77	70 - 78	70 - 74	200 + 60	61.0 + 18.3
200 + 70	61.0 + 21.3	*		76 - 79	72 - 77	70 - 78	70 - 74	200 + 70	61.0 + 21.3
200 + 80	61.0 + 24.4	*		76 - 79	72 - 77	72 - 78	70 - 74	200 + 80	61.0 + 24.4
210 + 30	64.0 + 9.1	78 - 79		76 - 79	72 - 77	72 - 78	70 - 74	210 + 30	64.0 + 9.1
210 + 40	64.0 + 12.2			76 - 79	72 - 77	72 - 78	70 - 74	210 + 40	64.0 + 12.2
210 + 50	64.0 + 15.2			76 - 79	72 - 77	72 - 78	70 - 74	210 + 50	64.0 + 15.2
210 + 60	64.0 + 18.3			76 - 79	72 - 77	72 - 78	70 - 74	210 + 60	64.0 + 18.3
210 + 70	64.0 + 21.3			*	*	72 - 78	70 - 74	210 + 70	64.0 + 21.3
210 + 80	64.0 + 24.4			*	*	72 - 78	70 - 74	210 + 80	64.0 + 24.4
220 + 30	67.1 + 9.1			76 - 79	72 - 77	72 - 78	70 - 74	220 + 30	67.1 + 9.1
220 + 40	67.1 + 12.2			76 - 79	72 - 77	72 - 78	70 - 76	220 + 40	67.1 + 12.2
220 + 50	67.1 + 15.2					72 - 78	70 - 76	220 + 50	67.1 + 15.2
220 + 60	67.1 + 18.3					72 - 78	70 - 76	220 + 60	67.1 + 18.3
220 + 70	67.1 + 21.3					74 - 78	70 - 76	220 + 70	67.1 + 21.3
230 + 30	70.1 + 9.1					74 - 78	70 - 76	230 + 30	70.1 + 9.1
230 + 40	70.1 + 12.2					74 - 78	70 - 76	230 + 40	70.1 + 12.2
230 + 50	70.1 + 15.2					74 - 78	70 - 76	230 + 50	70.1 + 15.2

Maximum Allowable Travel Specifications

777T

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

Machine Travel Uphill Without Load - Upper Facing Front									
95,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
100 + 30	30.5 + 9.1	45 - 55	45 - 50	45 - 60	45 - 55	45 - 72	45 - 68	100 + 30	30.5 + 9.1
100 + 40	30.5 + 12.2	45 - 55	45 - 50	45 - 60	45 - 55	45 - 74	45 - 70	100 + 40	30.5 + 12.2
100 + 50	30.5 + 15.2	45 - 55	45 - 50	45 - 60	45 - 55	50 - 74	45 - 70	100 + 50	30.5 + 15.2
100 + 60	30.5 + 18.3	45 - 55	45 - 50	45 - 60	45 - 60	50 - 74	45 - 70	100 + 60	30.5 + 18.3
100 + 70	30.5 + 21.3	45 - 55	45 - 50	45 - 60	45 - 60	55 - 74	50 - 70	100 + 70	30.5 + 21.3
100 + 80	30.5 + 24.4	45 - 55	45 - 50	45 - 60	45 - 60	55 - 74	50 - 70	100 + 80	30.5 + 24.4
110 + 30	33.5 + 9.1	45 - 55	45 - 50	45 - 60	45 - 60	55 - 74	50 - 70	110 + 30	33.5 + 9.1
110 + 40	33.5 + 12.2	45 - 60	45 - 55	45 - 60	45 - 60	55 - 74	50 - 70	110 + 40	33.5 + 12.2
110 + 50	33.5 + 15.2	45 - 60	45 - 55	45 - 65	45 - 60	55 - 76	50 - 72	110 + 50	33.5 + 15.2
110 + 60	33.5 + 18.3	45 - 60	45 - 55	45 - 65	45 - 60	55 - 76	50 - 72	110 + 60	33.5 + 18.3
110 + 70	33.5 + 21.3	45 - 60	45 - 55	45 - 65	45 - 60	60 - 76	55 - 72	110 + 70	33.5 + 21.3
110 + 80	33.5 + 24.4	45 - 60	45 - 55	50 - 65	45 - 60	60 - 76	55 - 72	110 + 80	33.5 + 24.4
120 + 30	36.6 + 9.1	45 - 60	45 - 55	50 - 65	45 - 60	60 - 76	55 - 72	120 + 30	36.6 + 9.1
120 + 40	36.6 + 12.2	45 - 60	45 - 55	50 - 65	45 - 60	60 - 76	55 - 72	120 + 40	36.6 + 12.2
120 + 50	36.6 + 15.2	45 - 60	45 - 60	50 - 65	45 - 60	60 - 76	55 - 72	120 + 50	36.6 + 15.2
120 + 60	36.6 + 18.3	45 - 60	45 - 60	50 - 65	45 - 60	60 - 76	55 - 72	120 + 60	36.6 + 18.3
120 + 70	36.6 + 21.3	45 - 60	45 - 60	50 - 65	45 - 60	60 - 76	55 - 72	120 + 70	36.6 + 21.3
120 + 80	36.6 + 24.4	45 - 60	45 - 60	50 - 65	45 - 60	60 - 76	60 - 72	120 + 80	36.6 + 24.4
130 + 30	39.6 + 9.1	45 - 60	45 - 60	50 - 65	45 - 60	60 - 76	60 - 72	130 + 30	39.6 + 9.1
130 + 40	39.6 + 12.2	45 - 60	45 - 60	50 - 65	45 - 65	60 - 78	60 - 74	130 + 40	39.6 + 12.2
130 + 50	39.6 + 15.2	45 - 65	45 - 60	50 - 70	45 - 65	60 - 78	60 - 74	130 + 50	39.6 + 15.2
130 + 60	39.6 + 18.3	50 - 65	45 - 60	55 - 70	50 - 65	65 - 78	60 - 74	130 + 60	39.6 + 18.3
130 + 70	39.6 + 21.3	50 - 65	45 - 60	55 - 70	50 - 65	65 - 78	60 - 74	130 + 70	39.6 + 21.3
130 + 80	39.6 + 24.4	50 - 65	45 - 60	55 - 70	50 - 65	65 - 78	60 - 74	130 + 80	39.6 + 24.4
140 + 30	42.7 + 9.1	50 - 65	45 - 60	55 - 70	50 - 65	65 - 78	60 - 74	140 + 30	42.7 + 9.1
140 + 40	42.7 + 12.2	50 - 65	45 - 60	55 - 70	50 - 65	65 - 78	60 - 74	140 + 40	42.7 + 12.2
140 + 50	42.7 + 15.2	50 - 65	45 - 60	55 - 72	50 - 65	65 - 78	60 - 74	140 + 50	42.7 + 15.2
140 + 60	42.7 + 18.3	50 - 65	50 - 60	60 - 72	50 - 65	65 - 78	60 - 76	140 + 60	42.7 + 18.3
140 + 70	42.7 + 21.3	55 - 65	50 - 60	60 - 72	55 - 65	70 - 78	65 - 76	140 + 70	42.7 + 21.3
140 + 80	42.7 + 24.4	55 - 65	50 - 60	60 - 72	55 - 65	70 - 78	65 - 76	140 + 80	42.7 + 24.4
150 + 30	45.7 + 9.1	55 - 65	50 - 60	60 - 72	55 - 65	70 - 78	65 - 76	150 + 30	45.7 + 9.1
150 + 40	45.7 + 12.2	55 - 65	50 - 65	60 - 72	55 - 65	70 - 79	65 - 76	150 + 40	45.7 + 12.2
150 + 50	45.7 + 15.2	55 - 70	50 - 65	60 - 72	55 - 70	70 - 79	65 - 76	150 + 50	45.7 + 15.2
150 + 60	45.7 + 18.3	60 - 70	50 - 65	60 - 74	55 - 70	70 - 79	65 - 76	150 + 60	45.7 + 18.3
150 + 70	45.7 + 21.3	60 - 70	55 - 65	60 - 74	60 - 70	70 - 79	65 - 76	150 + 70	45.7 + 21.3
150 + 80	45.7 + 24.4	60 - 70	55 - 65	60 - 74	60 - 70	70 - 79	65 - 76	150 + 80	45.7 + 24.4
160 + 30	48.8 + 9.1	60 - 70	55 - 65	60 - 74	60 - 70	70 - 79	65 - 76	160 + 30	48.8 + 9.1
160 + 40	48.8 + 12.2	60 - 70	55 - 65	60 - 74	60 - 70	70 - 79	65 - 76	160 + 40	48.8 + 12.2
160 + 50	48.8 + 15.2	60 - 72	55 - 65	65 - 74	60 - 70	70 - 79	65 - 76	160 + 50	48.8 + 15.2
160 + 60	48.8 + 18.3	60 - 72	55 - 65	65 - 74	60 - 70	70 - 79	70 - 76	160 + 60	48.8 + 18.3
160 + 70	48.8 + 21.3	60 - 72	60 - 65	65 - 74	60 - 70	70 - 79	70 - 76	160 + 70	48.8 + 21.3
160 + 80	48.8 + 24.4	65 - 72	60 - 65	65 - 74	60 - 70	72 - 79	70 - 76	160 + 80	48.8 + 24.4

Maximum Allowable Travel Specifications

777T

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

Machine Travel Uphill Without Load - Upper Facing Front									
95,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
170 + 30	51.8 + 9.1	65 - 72	60 - 65	65 - 74	60 - 70	72 - 79	70 - 76	170 + 30	51.8 + 9.1
170 + 40	51.8 + 12.2	65 - 72	60 - 65	65 - 74	60 - 72	72 - 79	70 - 76	170 + 40	51.8 + 12.2
170 + 50	51.8 + 15.2	65 - 72	60 - 65	65 - 74	60 - 72	72 - 79	70 - 77	170 + 50	51.8 + 15.2
170 + 60	51.8 + 18.3	65 - 72	60 - 70	65 - 76	60 - 72	72 - 79	70 - 77	170 + 60	51.8 + 18.3
170 + 70	51.8 + 21.3	65 - 72	60 - 70	70 - 76	60 - 72	72 - 79	70 - 77	170 + 70	51.8 + 21.3
170 + 80	51.8 + 24.4	65 - 72	60 - 70	70 - 76	65 - 72	72 - 79	70 - 77	170 + 80	51.8 + 24.4
180 + 30	54.9 + 9.1	65 - 72	60 - 70	70 - 76	65 - 72	72 - 79	70 - 77	180 + 30	54.9 + 9.1
180 + 40	54.9 + 12.2	65 - 72	60 - 70	70 - 76	65 - 72	72 - 79	70 - 77	180 + 40	54.9 + 12.2
180 + 50	54.9 + 15.2	65 - 74	60 - 70	70 - 76	65 - 72	72 - 79	70 - 77	180 + 50	54.9 + 15.2
180 + 60	54.9 + 18.3	65 - 74	60 - 70	70 - 76	65 - 72	72 - 79	70 - 77	180 + 60	54.9 + 18.3
180 + 70	54.9 + 21.3	65 - 74	60 - 70	70 - 76	65 - 72	74 - 79	70 - 77	180 + 70	54.9 + 21.3
180 + 80	54.9 + 24.4	70 - 74	65 - 70	70 - 76	65 - 72	74 - 79	70 - 77	180 + 80	54.9 + 24.4
190 + 30	57.9 + 9.1	70 - 74	65 - 70	70 - 76	65 - 72	74 - 79	70 - 77	190 + 30	57.9 + 9.1
190 + 40	57.9 + 12.2	70 - 74	65 - 70	70 - 76	65 - 74	74 - 79	70 - 77	190 + 40	57.9 + 12.2
190 + 50	57.9 + 15.2	70 - 74	65 - 72	70 - 76	65 - 74	74 - 79	70 - 77	190 + 50	57.9 + 15.2
190 + 60	57.9 + 18.3	70 - 74	65 - 72	70 - 76	65 - 74	74 - 79	70 - 77	190 + 60	57.9 + 18.3
190 + 70	57.9 + 21.3	70 - 74	65 - 72	70 - 76	70 - 74	74 - 79	70 - 77	190 + 70	57.9 + 21.3
190 + 80	57.9 + 24.4	70 - 74	65 - 72	70 - 76	70 - 74	76 - 79	72 - 77	190 + 80	57.9 + 24.4
200 + 30	61.0 + 9.1	70 - 74	65 - 72	70 - 76	70 - 74	76 - 79	72 - 77	200 + 30	61.0 + 9.1
200 + 40	61.0 + 12.2	70 - 76	65 - 72	70 - 78	70 - 74	76 - 79	72 - 77	200 + 40	61.0 + 12.2
200 + 50	61.0 + 15.2	70 - 76	65 - 72	70 - 78	70 - 74	76 - 79	72 - 77	200 + 50	61.0 + 15.2
200 + 60	61.0 + 18.3	70 - 76	65 - 72	70 - 78	70 - 74	76 - 79	72 - 77	200 + 60	61.0 + 18.3
200 + 70	61.0 + 21.3	*	*	70 - 78	70 - 74	76 - 79	72 - 77	200 + 70	61.0 + 21.3
200 + 80	61.0 + 24.4	*	*	72 - 78	70 - 74	76 - 79	72 - 77	200 + 80	61.0 + 24.4
210 + 30	64.0 + 9.1	70 - 76	65 - 72	72 - 78	70 - 74	76 - 79	72 - 77	210 + 30	64.0 + 9.1
210 + 40	64.0 + 12.2			72 - 78	70 - 74	76 - 79	72 - 77	210 + 40	64.0 + 12.2
210 + 50	64.0 + 15.2			72 - 78	70 - 76	76 - 79	72 - 77	210 + 50	64.0 + 15.2
210 + 60	64.0 + 18.3			72 - 78	70 - 76	76 - 79	72 - 77	210 + 60	64.0 + 18.3
210 + 70	64.0 + 21.3			*	*	78 - 79		210 + 70	64.0 + 21.3
210 + 80	64.0 + 24.4			*	*	78 - 79		210 + 80	64.0 + 24.4
220 + 30	67.1 + 9.1			72 - 78	70 - 76	78 - 79		220 + 30	67.1 + 9.1
220 + 40	67.1 + 12.2			72 - 78	70 - 76	78 - 79		220 + 40	67.1 + 12.2
220 + 50	67.1 + 15.2					78 - 79		220 + 50	67.1 + 15.2
220 + 60	67.1 + 18.3					78 - 79		220 + 60	67.1 + 18.3
220 + 70	67.1 + 21.3					78 - 79		220 + 70	67.1 + 21.3
230 + 30	70.1 + 9.1					78 - 79		230 + 30	70.1 + 9.1
230 + 40	70.1 + 12.2					78 - 79		230 + 40	70.1 + 12.2
230 + 50	70.1 + 15.2					78 - 79		230 + 50	70.1 + 15.2

Maximum Allowable Travel Specifications

777T

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

Machine Travel Downhill Without Load - Upper Facing Front									
95,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
100 + 30	30.5 + 9.1	45 - 55	45 - 60	45 - 60	45 - 65	45 - 74	50 - 77	100 + 30	30.5 + 9.1
100 + 40	30.5 + 12.2	45 - 55	45 - 60	45 - 60	45 - 65	50 - 74	50 - 77	100 + 40	30.5 + 12.2
100 + 50	30.5 + 15.2	45 - 55	45 - 60	45 - 60	45 - 70	50 - 74	55 - 77	100 + 50	30.5 + 15.2
100 + 60	30.5 + 18.3	45 - 60	45 - 60	45 - 60	45 - 70	50 - 76	60 - 77	100 + 60	30.5 + 18.3
100 + 70	30.5 + 21.3	45 - 60	45 - 60	45 - 65	45 - 70	55 - 76	60 - 77	100 + 70	30.5 + 21.3
100 + 80	30.5 + 24.4	45 - 60	45 - 60	45 - 65	45 - 70	55 - 76	60 - 77	100 + 80	30.5 + 24.4
110 + 30	33.5 + 9.1	45 - 60	45 - 60	45 - 65	45 - 70	55 - 76	60 - 77	110 + 30	33.5 + 9.1
110 + 40	33.5 + 12.2	45 - 60	45 - 65	45 - 65	45 - 70	55 - 76	60 - 77	110 + 40	33.5 + 12.2
110 + 50	33.5 + 15.2	45 - 60	45 - 65	45 - 65	45 - 72	55 - 76	60 - 77	110 + 50	33.5 + 15.2
110 + 60	33.5 + 18.3	45 - 60	45 - 65	45 - 65	50 - 72	60 - 76	60 - 77	110 + 60	33.5 + 18.3
110 + 70	33.5 + 21.3	45 - 60	45 - 65	45 - 65	50 - 72	60 - 76	65 - 77	110 + 70	33.5 + 21.3
110 + 80	33.5 + 24.4	45 - 60	45 - 65	50 - 65	55 - 72	60 - 76	65 - 77	110 + 80	33.5 + 24.4
120 + 30	36.6 + 9.1	45 - 60	45 - 65	50 - 65	55 - 72	60 - 76	65 - 77	120 + 30	36.6 + 9.1
120 + 40	36.6 + 12.2	45 - 60	45 - 65	50 - 65	55 - 72	60 - 76	65 - 77	120 + 40	36.6 + 12.2
120 + 50	36.6 + 15.2	45 - 60	45 - 65	50 - 65	55 - 74	60 - 78	65 - 77	120 + 50	36.6 + 15.2
120 + 60	36.6 + 18.3	45 - 60	45 - 70	50 - 65	55 - 74	60 - 78	65 - 77	120 + 60	36.6 + 18.3
120 + 70	36.6 + 21.3	45 - 60	50 - 70	50 - 70	55 - 74	60 - 78	65 - 77	120 + 70	36.6 + 21.3
120 + 80	36.6 + 24.4	50 - 60	50 - 70	55 - 70	60 - 74	65 - 78	70 - 77	120 + 80	36.6 + 24.4
130 + 30	39.6 + 9.1	50 - 60	50 - 70	55 - 70	60 - 74	65 - 78	70 - 77	130 + 30	39.6 + 9.1
130 + 40	39.6 + 12.2	50 - 65	50 - 70	55 - 70	60 - 74	65 - 78	70 - 77	130 + 40	39.6 + 12.2
130 + 50	39.6 + 15.2	50 - 65	50 - 72	55 - 70	60 - 74	65 - 78	70 - 77	130 + 50	39.6 + 15.2
130 + 60	39.6 + 18.3	50 - 65	50 - 72	55 - 70	60 - 76	65 - 78	70 - 77	130 + 60	39.6 + 18.3
130 + 70	39.6 + 21.3	50 - 65	55 - 72	55 - 70	60 - 76	65 - 78	70 - 77	130 + 70	39.6 + 21.3
130 + 80	39.6 + 24.4	50 - 65	55 - 72	60 - 70	60 - 76	65 - 78	70 - 77	130 + 80	39.6 + 24.4
140 + 30	42.7 + 9.1	50 - 65	55 - 72	60 - 70	60 - 76	65 - 78	70 - 77	140 + 30	42.7 + 9.1
140 + 40	42.7 + 12.2	50 - 65	55 - 72	60 - 72	60 - 76	65 - 78	70 - 77	140 + 40	42.7 + 12.2
140 + 50	42.7 + 15.2	50 - 65	55 - 72	60 - 72	60 - 76	65 - 79	70 - 77	140 + 50	42.7 + 15.2
140 + 60	42.7 + 18.3	55 - 70	60 - 74	60 - 72	60 - 76	70 - 79	70 - 77	140 + 60	42.7 + 18.3
140 + 70	42.7 + 21.3	55 - 70	60 - 74	60 - 72	65 - 76	70 - 79	70 - 77	140 + 70	42.7 + 21.3
140 + 80	42.7 + 24.4	60 - 70	60 - 74	60 - 72	65 - 76	70 - 79	72 - 77	140 + 80	42.7 + 24.4
150 + 30	45.7 + 9.1	60 - 70	60 - 74	60 - 72	65 - 76	70 - 79	72 - 77	150 + 30	45.7 + 9.1
150 + 40	45.7 + 12.2	60 - 70	60 - 74	60 - 74	65 - 77	70 - 79	72 - 77	150 + 40	45.7 + 12.2
150 + 50	45.7 + 15.2	60 - 70	60 - 74	60 - 74	65 - 77	70 - 79	72 - 77	150 + 50	45.7 + 15.2
150 + 60	45.7 + 18.3	60 - 70	60 - 76	60 - 74	65 - 77	70 - 79	72 - 77	150 + 60	45.7 + 18.3
150 + 70	45.7 + 21.3	60 - 70	65 - 76	65 - 74	70 - 77	70 - 79	72 - 77	150 + 70	45.7 + 21.3
150 + 80	45.7 + 24.4	60 - 70	65 - 76	65 - 74	70 - 77	70 - 79	74 - 77	150 + 80	45.7 + 24.4
160 + 30	48.8 + 9.1	60 - 70	65 - 76	65 - 74	70 - 77	70 - 79	74 - 77	160 + 30	48.8 + 9.1
160 + 40	48.8 + 12.2	60 - 72	65 - 76	65 - 74	70 - 77	70 - 79	74 - 77	160 + 40	48.8 + 12.2
160 + 50	48.8 + 15.2	60 - 72	65 - 76	65 - 74	70 - 77	70 - 79	74 - 77	160 + 50	48.8 + 15.2
160 + 60	48.8 + 18.3	60 - 72	65 - 76	65 - 74	70 - 77	70 - 79	74 - 77	160 + 60	48.8 + 18.3
160 + 70	48.8 + 21.3	65 - 72	65 - 76	65 - 74	70 - 77	72 - 79	74 - 77	160 + 70	48.8 + 21.3
160 + 80	48.8 + 24.4	65 - 72	70 - 76	70 - 74	70 - 77	72 - 79	76 - 77	160 + 80	48.8 + 24.4

Maximum Allowable Travel Specifications

777T

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

Machine Travel Downhill Without Load - Upper Facing Front									
95,400 Lb. Crane Counterweight									
Boom + Jib Length		Boom Angle Range In Degrees						Boom + Jib Length	
		Without Front Bumper Cwt.		With 8,000 Lb. Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
170 + 30	51.8 + 9.1	65 - 72	70 - 76	70 - 74	70 - 77	72 - 79	76 - 77	170 + 30	51.8 + 9.1
170 + 40	51.8 + 12.2	65 - 72	70 - 76	70 - 76	70 - 77	72 - 79	76 - 77	170 + 40	51.8 + 12.2
170 + 50	51.8 + 15.2	65 - 72	70 - 77	70 - 76	70 - 77	72 - 79	76 - 77	170 + 50	51.8 + 15.2
170 + 60	51.8 + 18.3	65 - 74	70 - 77	70 - 76	70 - 77	72 - 79	76 - 77	170 + 60	51.8 + 18.3
170 + 70	51.8 + 21.3	65 - 74	70 - 77	70 - 76	70 - 77	72 - 79	76 - 77	170 + 70	51.8 + 21.3
170 + 80	51.8 + 24.4	65 - 74	70 - 77	70 - 76	70 - 77	74 - 79	76 - 77	170 + 80	51.8 + 24.4
180 + 30	54.9 + 9.1	65 - 74	70 - 77	70 - 76	70 - 77	74 - 79	76 - 77	180 + 30	54.9 + 9.1
180 + 40	54.9 + 12.2	65 - 74	70 - 77	70 - 76	70 - 77	74 - 79	76 - 77	180 + 40	54.9 + 12.2
180 + 50	54.9 + 15.2	65 - 74	70 - 77	70 - 76	70 - 77	74 - 79	76 - 77	180 + 50	54.9 + 15.2
180 + 60	54.9 + 18.3	65 - 74	70 - 77	70 - 76	70 - 77	74 - 79	76 - 77	180 + 60	54.9 + 18.3
180 + 70	54.9 + 21.3	70 - 74	70 - 77	70 - 76	72 - 77	74 - 79		180 + 70	54.9 + 21.3
180 + 80	54.9 + 24.4	70 - 74	70 - 77	70 - 76	72 - 77	74 - 79		180 + 80	54.9 + 24.4
190 + 30	57.9 + 9.1	70 - 74	70 - 77	70 - 76	72 - 77	74 - 79		190 + 30	57.9 + 9.1
190 + 40	57.9 + 12.2	70 - 74	70 - 77	70 - 78	72 - 77	74 - 79		190 + 40	57.9 + 12.2
190 + 50	57.9 + 15.2	70 - 76	70 - 77	70 - 78	72 - 77	74 - 79		190 + 50	57.9 + 15.2
190 + 60	57.9 + 18.3	70 - 76	70 - 77	70 - 78	72 - 77	74 - 79		190 + 60	57.9 + 18.3
190 + 70	57.9 + 21.3	70 - 76	70 - 77	70 - 78	74 - 77	76 - 79		190 + 70	57.9 + 21.3
190 + 80	57.9 + 24.4	70 - 76	72 - 77	70 - 78	74 - 77	76 - 79		190 + 80	57.9 + 24.4
200 + 30	61.0 + 9.1	70 - 76	72 - 77	70 - 78	74 - 77	76 - 79		200 + 30	61.0 + 9.1
200 + 40	61.0 + 12.2	70 - 76	72 - 77	70 - 78	74 - 77	76 - 79		200 + 40	61.0 + 12.2
200 + 50	61.0 + 15.2	70 - 76	72 - 77	70 - 78	74 - 77	76 - 79		200 + 50	61.0 + 15.2
200 + 60	61.0 + 18.3	70 - 76	72 - 77	70 - 78	74 - 77	76 - 79		200 + 60	61.0 + 18.3
200 + 70	61.0 + 21.3	*	*	72 - 78	74 - 77	76 - 79		200 + 70	61.0 + 21.3
200 + 80	61.0 + 24.4	*	*	72 - 78	76 - 77	78 - 79		200 + 80	61.0 + 24.4
210 + 30	64.0 + 9.1	70 - 76	72 - 77	72 - 78	76 - 77	78 - 79		210 + 30	64.0 + 9.1
210 + 40	64.0 + 12.2			72 - 78	76 - 77	78 - 79		210 + 40	64.0 + 12.2
210 + 50	64.0 + 15.2			72 - 78	76 - 77	78 - 79		210 + 50	64.0 + 15.2
210 + 60	64.0 + 18.3			72 - 79	76 - 77	78 - 79		210 + 60	64.0 + 18.3
210 + 70	64.0 + 21.3			*	*	78 - 79		210 + 70	64.0 + 21.3
210 + 80	64.0 + 24.4			*	*	78 - 79		210 + 80	64.0 + 24.4
220 + 30	67.1 + 9.1			72 - 79	76 - 77	78 - 79		220 + 30	67.1 + 9.1
220 + 40	67.1 + 12.2			72 - 79	76 - 77	78 - 79		220 + 40	67.1 + 12.2
220 + 50	67.1 + 15.2					78 - 79		220 + 50	67.1 + 15.2
220 + 60	67.1 + 18.3					78 - 79		220 + 60	67.1 + 18.3
220 + 70	67.1 + 21.3					78 - 79		220 + 70	67.1 + 21.3
230 + 30	70.1 + 9.1					78 - 79		230 + 30	70.1 + 9.1
230 + 40	70.1 + 12.2					78 - 79		230 + 40	70.1 + 12.2
230 + 50	70.1 + 15.2					78 - 79		230 + 50	70.1 + 15.2