

Maximum Allowable Travel Specifications

Boom No. 78T With Long Reach 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.

1. Machine Travel With Load

- A. Refer to on rubber capacity chart series **No. 8098**. Grade in any direction must not exceed 1 percent (0.5 degrees).
- B. Travel surface must be firm, level and uniformly supporting. Capacity charts on rubber are based on 116 PSI (800 kPa) minimum tire pressure and ¼ MPH (0.4 kms/hr) maximum travel speed; therefore judgment must be used to allow for dynamic effects of traveling with load. Carry load as close to ground as possible. Stabilize load with taglines. Travel slowly and smoothly to avoid shock loading boom, jib and rigging.

2. Machine Travel Without Load

- A. Load blocks and/or hook and weight ball may be suspended beneath lower boom point, upper boom point and jib point. Total combined suspended weight beneath lower boom point must not exceed 4,000 Lbs. (1 810 kg) thru 288 Ft. (87.8m) boom or 1,600 Lbs. (730 kg) with 298 Ft (90.8m). 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 12-25 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 and jib length raising.

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

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0 Lb. Crane Counterweight							
Boom Length (not including jib)		Boom Angle Range In Degrees				Boom Length (not including jib)	
		Without Front Bumper Cwt.		With 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
Machine Travel Uphill Without Load - Upper Facing Rear							
138	42.1	Not Allowed		70 - 79	72 - 77	138	42.1
148	45.1			72 - 79	74 - 77	148	45.1
158	48.2			74 - 79	76 - 77	158	48.2
168	51.2			76 - 79		168	51.2
178	54.3			76 - 79		178	54.3
188	57.3			78 - 79		188	57.3
198	60.4			78 - 79		198	60.4
Machine Travel Downhill Without Load - Upper Facing Rear							
138	42.1	Not Allowed		70 - 79	65 - 77	138	42.1
148	45.1			70 - 79	70 - 77	148	45.1
158	48.2			72 - 79	70 - 77	158	48.2
168	51.2			74 - 79	70 - 77	168	51.2
178	54.3			76 - 79	72 - 77	178	54.3
188	57.3			78 - 79		188	57.3
198	60.4			78 - 79		198	60.4
Machine Travel Uphill Without Load - Upper Facing Front							
138	42.1	55 - 79	50 - 77	74 - 79	70 - 77	138	42.1
148	45.1	60 - 79	55 - 77	76 - 79	72 - 77	148	45.1
158	48.2			78 - 79		158	48.2
Machine Travel Downhill Without Load - Upper Facing Front							
138	42.1	55 - 79	60 - 77	76 - 79	Not Allowed	138	42.1
148	45.1	60 - 79	60 - 77	78 - 79		148	45.1

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Boom No. 78T With Long Reach Top

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 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
Machine Travel Uphill Without Load - Upper Facing Rear							
138	42.1	Not Allowed		65 - 79	70 - 77	138	42.1
148	45.1			70 - 79	70 - 77	148	45.1
158	48.2			70 - 79	72 - 77	158	48.2
168	51.2			72 - 79	76 - 77	168	51.2
178	54.3			74 - 79	76 - 77	178	54.3
188	57.3			76 - 79		188	57.3
198	60.4			76 - 79		198	60.4
208	63.4			78 - 79		208	63.4
Machine Travel Downhill Without Load - Upper Facing Rear							
138	42.1	Not Allowed		65 - 79	60 - 77	138	42.1
148	45.1			70 - 79	65 - 77	148	45.1
158	48.2			70 - 79	65 - 77	158	48.2
168	51.2			72 - 79	70 - 77	168	51.2
178	54.3			72 - 79	70 - 77	178	54.3
188	57.3			74 - 79	70 - 77	188	57.3
198	60.4			76 - 79	72 - 77	198	60.4
208	63.4			76 - 79	74 - 77	208	63.4
Machine Travel Uphill Without Load - Upper Facing Front							
138	42.1	50 - 79	45 - 77	70 - 79	70 - 77	138	42.1
148	45.1	55 - 79	50 - 77	74 - 79	70 - 77	148	45.1
158	48.2	60 - 79	55 - 77	76 - 79	70 - 77	158	48.2
168	51.2			78 - 79		168	51.2
178	54.3			78 - 79		178	54.3
Machine Travel Downhill Without Load - Upper Facing Front							
138	42.1	50 - 79	55 - 77	72 - 79	76 - 77	138	42.1
148	45.1	55 - 79	60 - 77	74 - 79		148	45.1
158	48.2	60 - 79	60 - 77	76 - 79		158	48.2
168	51.2			78 - 79		168	51.2

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Boom No. 78T With Long Reach Top

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 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
Machine Travel Uphill Without Load - Upper Facing Rear							
138	42.1	76 - 79	Not Allowed	60 - 79	60 - 77	138	42.1
148	45.1	78 - 79		60 - 79	65 - 77	148	45.1
158	48.2	78 - 79		65 - 79	70 - 77	158	48.2
168	51.2			70 - 79	70 - 77	168	51.2
178	54.3			70 - 79	72 - 77	178	54.3
188	57.3			70 - 79	74 - 77	188	57.3
198	60.4			72 - 79	76 - 77	198	60.4
208	63.4			74 - 79	76 - 77	208	63.4
218	66.4			74 - 79		218	66.4
228	69.5			76 - 79		228	69.5
238	72.5			78 - 79		238	72.5
Machine Travel Downhill Without Load - Upper Facing Rear							
138	42.1	76 - 79	70 - 77	55 - 79	50 - 77	138	42.1
148	45.1	76 - 79	72 - 77	60 - 79	55 - 77	148	45.1
158	48.2	78 - 79		65 - 79	60 - 77	158	48.2
168	51.2			70 - 79	65 - 77	168	51.2
178	54.3			70 - 79	65 - 77	178	54.3
188	57.3			70 - 79	70 - 77	188	57.3
198	60.4			72 - 79	70 - 77	198	60.4
208	63.4			72 - 79	70 - 77	208	63.4
218	66.4			74 - 79	70 - 77	218	66.4
228	69.5			76 - 79	72 - 77	228	69.5
238	72.5			76 - 79	72 - 77	238	72.5
Machine Travel Uphill Without Load - Upper Facing Front							
138	42.1	40 - 79	30 - 77	65 - 79	60 - 77	138	42.1
148	45.1	45 - 79	40 - 77	70 - 79	65 - 77	148	45.1
158	48.2	50 - 79	50 - 77	70 - 79	70 - 77	158	48.2
168	51.2	60 - 79	50 - 77	72 - 79	70 - 77	168	51.2
178	54.3	60 - 79	55 - 77	74 - 79	70 - 77	178	54.3
188	57.3	65 - 79	60 - 77	76 - 79	72 - 77	188	57.3
198	60.4			76 - 79	72 - 77	198	60.4
208	63.4			78 - 79		208	63.4
Machine Travel Downhill Without Load - Upper Facing Front							
138	42.1	40 - 79	45 - 77	65 - 79	70 - 77	138	42.1
148	45.1	50 - 79	50 - 77	70 - 79	72 - 77	148	45.1
158	48.2	50 - 79	55 - 77	70 - 79	74 - 77	158	48.2
168	51.2	60 - 79	60 - 77	72 - 79	76 - 77	168	51.2
178	54.3	60 - 79	65 - 77	74 - 79		178	54.3
188	57.3	65 - 79	70 - 77	76 - 79		188	57.3
198	60.4			78 - 79		198	60.4
208	63.4			78 - 79		208	63.4

Maximum Allowable Travel Specifications

Boom No. 78T With Long Reach Top

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 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
Machine Travel Uphill Without Load - Upper Facing Rear							
138	42.1	70 - 79	72 - 77	50 - 79	55 - 77	138	42.1
148	45.1	70 - 79	74 - 77	55 - 79	60 - 77	148	45.1
158	48.2	74 - 79	76 - 77	60 - 79	60 - 77	158	48.2
168	51.2	76 - 79		60 - 79	65 - 77	168	51.2
178	54.3	76 - 79		65 - 79	70 - 77	178	54.3
188	57.3	78 - 79		70 - 79	70 - 77	188	57.3
198	60.4	78 - 79		70 - 79	70 - 77	198	60.4
208	63.4			70 - 79	72 - 77	208	63.4
218	66.4			72 - 79	74 - 77	218	66.4
228	69.5			72 - 79	76 - 77	228	69.5
238	72.5			74 - 79		238	72.5
248	75.6			74 - 79		248	75.6
Machine Travel Downhill Without Load - Upper Facing Rear							
138	42.1	70 - 79	65 - 77	50 - 79	40 - 77	138	42.1
148	45.1	70 - 79	70 - 77	55 - 79	50 - 77	148	45.1
158	48.2	72 - 79	70 - 77	60 - 79	50 - 77	158	48.2
168	51.2	74 - 79	70 - 77	60 - 79	60 - 77	168	51.2
178	54.3	76 - 79	72 - 77	65 - 79	60 - 77	178	54.3
188	57.3	78 - 79		65 - 79	60 - 77	188	57.3
198	60.4	78 - 79		70 - 79	65 - 77	198	60.4
208	63.4	78 - 79		70 - 79	65 - 77	208	63.4
218	66.4			70 - 79	70 - 77	218	66.4
228	69.5			72 - 79	70 - 77	228	69.5
238	72.5			74 - 79	70 - 77	238	72.5
248	75.6			74 - 79	70 - 77	248	75.6
Machine Travel Uphill Without Load - Upper Facing Front							
138	42.1	30 - 70	30 - 66	60 - 79	55 - 77	138	42.1
148	45.1	35 - 72	30 - 70	60 - 79	60 - 77	148	45.1
158	48.2	45 - 74	40 - 70	65 - 79	60 - 77	158	48.2
168	51.2	50 - 76	45 - 72	70 - 79	65 - 77	168	51.2
178	54.3	55 - 78	50 - 74	70 - 79	70 - 77	178	54.3
188	57.3	60 - 78	55 - 74	72 - 79	70 - 77	188	57.3
198	60.4	60 - 78	60 - 76	72 - 79	70 - 77	198	60.4
208	63.4	65 - 79	60 - 76	74 - 79	70 - 77	208	63.4
218	66.4			76 - 79	72 - 77	218	66.4
228	69.5			78 - 79		228	69.5
238	72.5			78 - 79		238	72.5
Machine Travel Downhill Without Load - Upper Facing Front							
138	42.1	30 - 72	30 - 77	60 - 79	65 - 77	138	42.1
148	45.1	40 - 74	40 - 77	65 - 79	70 - 77	148	45.1
158	48.2	45 - 76	50 - 77	65 - 79	70 - 77	158	48.2
168	51.2	50 - 78	55 - 77	70 - 79	72 - 77	168	51.2
178	54.3	55 - 78	60 - 77	70 - 79	74 - 77	178	54.3
188	57.3	60 - 79	65 - 77	72 - 79	76 - 77	188	57.3
198	60.4	60 - 79	65 - 77	74 - 79	76 - 77	198	60.4
208	63.4	65 - 79	70 - 77	76 - 79		208	63.4
218	66.4			76 - 79		218	66.4
228	69.5			78 - 79		228	69.5
238	72.5			78 - 79		238	72.5

Maximum Allowable Travel Specifications

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Boom No. 78T With Long Reach Top

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 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
Machine Travel Uphill Without Load - Upper Facing Rear							
138	42.1	60 - 79	65 - 77	40 - 74	45 - 77	138	42.1
148	45.1	65 - 79	70 - 77	45 - 76	50 - 77	148	45.1
158	48.2	70 - 79	70 - 77	50 - 76	55 - 77	158	48.2
168	51.2	70 - 79	74 - 77	55 - 78	60 - 77	168	51.2
178	54.3	72 - 79	76 - 77	60 - 79	65 - 77	178	54.3
188	57.3	74 - 79	76 - 77	60 - 79	65 - 77	188	57.3
198	60.4	74 - 79		65 - 79	70 - 77	198	60.4
208	63.4	76 - 79		70 - 79	70 - 77	208	63.4
218	66.4	78 - 79		70 - 79	70 - 77	218	66.4
228	69.5			70 - 79	72 - 77	228	69.5
238	72.5			70 - 79	74 - 77	238	72.5
248	75.6			72 - 79	74 - 77	248	75.6
258	78.6			74 - 79	76 - 77	258	78.6
Machine Travel Downhill Without Load - Upper Facing Rear							
138	42.1	60 - 79	55 - 77	35 - 74	30 - 65	138	42.1
148	45.1	65 - 79	60 - 77	45 - 74	40 - 70	148	45.1
158	48.2	70 - 79	65 - 77	50 - 76	45 - 72	158	48.2
168	51.2	70 - 79	65 - 77	55 - 78	50 - 74	168	51.2
178	54.3	70 - 79	70 - 77	60 - 78	55 - 74	178	54.3
188	57.3	72 - 79	70 - 77	60 - 78	60 - 76	188	57.3
198	60.4	74 - 79	70 - 77	65 - 79	60 - 76	198	60.4
208	63.4	76 - 79	72 - 77	65 - 79	60 - 76	208	63.4
218	66.4	76 - 79	72 - 77	70 - 79	65 - 77	218	66.4
228	69.5			70 - 79	65 - 77	228	69.5
238	72.5			70 - 79	70 - 77	238	72.5
248	75.6			72 - 79	70 - 77	248	75.6
258	78.6			72 - 79	70 - 77	258	78.6

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Boom No. 78T With Long Reach Top

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 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
Machine Travel Uphill Without Load - Upper Facing Front							
138	42.1	30 - 60	30 - 55	50 - 79	45 - 77	138	42.1
148	45.1	30 - 60	30 - 55	55 - 79	50 - 77	148	45.1
158	48.2	35 - 65	30 - 60	60 - 79	55 - 77	158	48.2
168	51.2	45 - 65	40 - 60	65 - 79	60 - 77	168	51.2
178	54.3	50 - 70	45 - 65	65 - 79	60 - 77	178	54.3
188	57.3	55 - 72	50 - 65	70 - 79	65 - 77	188	57.3
198	60.4	55 - 74	50 - 70	70 - 79	65 - 77	198	60.4
208	63.4	60 - 74	55 - 72	70 - 79	70 - 77	208	63.4
218	66.4	60 - 76	60 - 72	72 - 79	70 - 77	218	66.4
228	69.5			74 - 79	70 - 77	228	69.5
238	72.5			76 - 79	72 - 77	238	72.5
248	75.6			76 - 79	72 - 77	248	75.6
258	78.6			78 - 79		258	78.6
Machine Travel Downhill Without Load - Upper Facing Front							
138	42.1	30 - 60	30 - 65	50 - 79	55 - 77	138	42.1
148	45.1	30 - 60	30 - 70	55 - 79	60 - 77	148	45.1
158	48.2	35 - 65	40 - 72	60 - 79	65 - 77	158	48.2
168	51.2	45 - 70	50 - 74	65 - 79	70 - 77	168	51.2
178	54.3	50 - 72	55 - 76	70 - 79	70 - 77	178	54.3
188	57.3	55 - 72	60 - 77	70 - 79	72 - 77	188	57.3
198	60.4	60 - 74	60 - 77	70 - 79	72 - 77	198	60.4
208	63.4	60 - 76	65 - 77	72 - 79	74 - 77	208	63.4
218	66.4	65 - 76	70 - 77	74 - 79	76 - 77	218	66.4
228	69.5			74 - 79		228	69.5
238	72.5			76 - 79		238	72.5
248	75.6			76 - 79		248	75.6
258	78.6			78 - 79		258	78.6

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Boom No. 78T With Long Reach Top

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 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
Machine Travel Uphill Without Load - Upper Facing Rear							
138	42.1	55 - 79	60 - 77	30 - 60	30 - 65	138	42.1
148	45.1	60 - 79	65 - 77	35 - 65	40 - 70	148	45.1
158	48.2	60 - 79	65 - 77	40 - 65	50 - 74	158	48.2
168	51.2	65 - 79	70 - 77	50 - 70	55 - 74	168	51.2
178	54.3	70 - 79	70 - 77	55 - 72	60 - 76	178	54.3
188	57.3	70 - 79	72 - 77	60 - 72	60 - 77	188	57.3
198	60.4	70 - 79	74 - 77	60 - 74	65 - 77	198	60.4
208	63.4	72 - 79	76 - 77	60 - 74	65 - 77	208	63.4
218	66.4	74 - 79	76 - 77	65 - 76	70 - 77	218	66.4
228	69.5	74 - 79		70 - 76	70 - 77	228	69.5
238	72.5	76 - 79		70 - 78	70 - 77	238	72.5
248	75.6			70 - 78	72 - 77	248	75.6
258	78.6			70 - 78	74 - 77	258	78.6
268	81.7			72 - 79	74 - 77	268	81.7
278	84.7			74 - 79	76 - 77	278	84.7
Machine Travel Downhill Without Load - Upper Facing Rear							
138	42.1	55 - 79	50 - 77	30 - 60	30 - 55	138	42.1
148	45.1	60 - 79	50 - 77	35 - 60	30 - 60	148	45.1
158	48.2	60 - 79	55 - 77	40 - 65	35 - 60	158	48.2
168	51.2	65 - 79	60 - 77	50 - 65	45 - 60	168	51.2
178	54.3	70 - 79	65 - 77	55 - 70	50 - 65	178	54.3
188	57.3	70 - 79	65 - 77	55 - 72	50 - 65	188	57.3
198	60.4	70 - 79	65 - 77	60 - 72	55 - 70	198	60.4
208	63.4	72 - 79	70 - 77	60 - 74	60 - 70	208	63.4
218	66.4	72 - 79	70 - 77	65 - 76	60 - 72	218	66.4
228	69.5	74 - 79	70 - 77	65 - 76	60 - 72	228	69.5
238	72.5	74 - 79	72 - 77	70 - 76	65 - 74	238	72.5
248	75.6			70 - 78	65 - 76	248	75.6
258	78.6			70 - 78	70 - 76	258	78.6
268	81.7			70 - 78	70 - 76	268	81.7
278	84.7			72 - 79	70 - 76	278	84.7

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Boom No. 78T With Long Reach Top

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 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
Machine Travel Uphill Without Load - Upper Facing Front							
138	42.1	30 - 45	30 - 40	40 - 74	35 - 70	138	42.1
148	45.1	30 - 50	30 - 45	50 - 76	40 - 72	148	45.1
158	48.2	30 - 55	30 - 50	55 - 76	50 - 72	158	48.2
168	51.2	35 - 60	30 - 55	60 - 78	50 - 74	168	51.2
178	54.3	45 - 60	40 - 60	60 - 79	55 - 76	178	54.3
188	57.3	50 - 65	45 - 60	65 - 79	60 - 76	188	57.3
198	60.4	50 - 65	50 - 60	65 - 79	60 - 76	198	60.4
208	63.4	55 - 65	50 - 65	70 - 79	65 - 77	208	63.4
218	66.4	60 - 70	55 - 65	70 - 79	65 - 77	218	66.4
228	69.5	60 - 72	60 - 65	70 - 79	70 - 77	228	69.5
238	72.5	65 - 74	60 - 70	72 - 79	70 - 77	238	72.5
248	75.6			74 - 79	70 - 77	248	75.6
258	78.6			74 - 79	70 - 77	258	78.6
268	81.7			76 - 79	72 - 77	268	81.7
278	84.7			76 - 79	74 - 77	278	84.7
Machine Travel Downhill Without Load - Upper Facing Front							
138	42.1	30 - 45	30 - 55	40 - 76	45 - 77	138	42.1
148	45.1	30 - 50	30 - 60	50 - 76	55 - 77	148	45.1
158	48.2	30 - 55	30 - 60	55 - 78	60 - 77	158	48.2
168	51.2	40 - 60	40 - 65	60 - 79	65 - 77	168	51.2
178	54.3	45 - 60	50 - 70	60 - 79	65 - 77	178	54.3
188	57.3	50 - 65	55 - 72	65 - 79	70 - 77	188	57.3
198	60.4	50 - 65	55 - 72	70 - 79	70 - 77	198	60.4
208	63.4	55 - 70	60 - 74	70 - 79	72 - 77	208	63.4
218	66.4	65 - 72	65 - 76	70 - 79	74 - 77	218	66.4
228	69.5	65 - 72	65 - 76	72 - 79	74 - 77	228	69.5
238	72.5	65 - 74	70 - 77	74 - 79	76 - 77	238	72.5
248	75.6			74 - 79		248	75.6
258	78.6			76 - 79		258	78.6
268	81.7			76 - 79		268	81.7
278	84.7			78 - 79		278	84.7

Maximum Allowable Travel Specifications

777T

Boom No. 78T With Long Reach Top

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 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
Machine Travel Uphill Without Load - Upper Facing Rear							
138	42.1	45 - 78	50 - 77	30 - 50	30 - 55	138	42.1
148	45.1	50 - 79	55 - 77	30 - 50	30 - 60	148	45.1
158	48.2	55 - 79	60 - 77	30 - 55	40 - 60	158	48.2
168	51.2	60 - 79	65 - 77	40 - 60	45 - 65	168	51.2
178	54.3	65 - 79	70 - 77	50 - 60	50 - 70	178	54.3
188	57.3	65 - 79	70 - 77	50 - 65	55 - 72	188	57.3
198	60.4	70 - 79	70 - 77	55 - 65	60 - 72	198	60.4
208	63.4	70 - 79	72 - 77	60 - 70	60 - 74	208	63.4
218	66.4	70 - 79	72 - 77	60 - 70	65 - 76	218	66.4
228	69.5	72 - 79	74 - 77	65 - 72	70 - 76	228	69.5
238	72.5	72 - 79	76 - 77	65 - 72	70 - 77	238	72.5
248	75.6	74 - 79	76 - 77	70 - 74	70 - 77	248	75.6
258	78.6	74 - 79		70 - 74	70 - 77	258	78.6
268	81.7			70 - 76	72 - 77	268	81.7
278	84.7			70 - 76	74 - 77	278	84.7
288	87.8			72 - 78	74 - 77	288	87.8
298	90.8			72 - 78	74 - 77	298	90.8
Machine Travel Downhill Without Load - Upper Facing Rear							
138	42.1	45 - 78	35 - 72	30 - 45	30 - 40	138	42.1
148	45.1	50 - 78	45 - 74	30 - 50	30 - 45	148	45.1
158	48.2	55 - 79	50 - 74	30 - 55	30 - 50	158	48.2
168	51.2	60 - 79	55 - 76	40 - 60	35 - 55	168	51.2
178	54.3	60 - 79	60 - 76	45 - 60	40 - 55	178	54.3
188	57.3	65 - 79	60 - 77	50 - 60	45 - 60	188	57.3
198	60.4	65 - 79	60 - 77	55 - 65	50 - 60	198	60.4
208	63.4	70 - 79	65 - 77	60 - 65	50 - 60	208	63.4
218	66.4	70 - 79	65 - 77	60 - 70	55 - 65	218	66.4
228	69.5	70 - 79	70 - 77	65 - 70	60 - 65	228	69.5
238	72.5	72 - 79	70 - 77	65 - 72	60 - 65	238	72.5
248	75.6	72 - 79	70 - 77	65 - 72	60 - 70	248	75.6
258	78.6	74 - 79	70 - 77	70 - 74	65 - 70	258	78.6
268	81.7			70 - 74	65 - 72	268	81.7
278	84.7			70 - 76	70 - 72	278	84.7
288	87.8			70 - 76	70 - 74	288	87.8
298	90.8			72 - 76	70 - 74	298	90.8

Maximum Allowable Travel Specifications

777T

Boom No. 78T With Long Reach Top

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 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
Machine Travel Uphill Without Load - Upper Facing Front							
138	42.1	30 - 32	—	30 - 60	30 - 55	138	42.1
148	45.1	30 - 40	30 - 34	40 - 65	30 - 60	148	45.1
158	48.2	30 - 45	30 - 40	40 - 65	40 - 60	158	48.2
168	51.2	30 - 50	30 - 45	50 - 70	45 - 65	168	51.2
178	54.3	35 - 55	30 - 50	55 - 72	50 - 65	178	54.3
188	57.3	40 - 55	35 - 50	60 - 74	55 - 70	188	57.3
198	60.4	45 - 60	40 - 55	60 - 74	60 - 70	198	60.4
208	63.4	50 - 60	45 - 60	65 - 76	60 - 70	208	63.4
218	66.4	55 - 65	50 - 60	70 - 76	60 - 74	218	66.4
228	69.5	60 - 65	55 - 60	70 - 78	65 - 74	228	69.5
238	72.5	60 - 65	55 - 65	70 - 78	70 - 76	238	72.5
248	75.6	65 - 70	60 - 65	70 - 79	70 - 76	248	75.6
258	78.6	65 - 72	60 - 65	72 - 79	70 - 76	258	78.6
268	81.7			74 - 79	70 - 77	268	81.7
278	84.7			74 - 79	70 - 77	278	84.7
288	87.8			76 - 79	72 - 77	288	87.8
298	90.8			76 - 79	72 - 77	298	90.8
Machine Travel Downhill Without Load - Upper Facing Front							
138	42.1	30 - 34	30 - 40	30 - 60	35 - 70	138	42.1
148	45.1	30 - 40	30 - 45	40 - 65	45 - 74	148	45.1
158	48.2	30 - 45	30 - 50	45 - 70	50 - 76	158	48.2
168	51.2	30 - 50	30 - 55	55 - 72	60 - 77	168	51.2
178	54.3	40 - 55	40 - 60	60 - 74	60 - 77	178	54.3
188	57.3	45 - 60	50 - 60	60 - 74	65 - 77	188	57.3
198	60.4	50 - 60	50 - 65	65 - 76	65 - 77	198	60.4
208	63.4	50 - 60	55 - 65	65 - 76	70 - 77	208	63.4
218	66.4	55 - 65	60 - 70	70 - 78	70 - 77	218	66.4
228	69.5	60 - 65	60 - 72	70 - 78	72 - 77	228	69.5
238	72.5	60 - 70	65 - 74	70 - 79	74 - 77	238	72.5
248	75.6	65 - 70	70 - 74	72 - 79	74 - 77	248	75.6
258	78.6	65 - 72	70 - 76	72 - 79	76 - 77	258	78.6
268	81.7			74 - 79		268	81.7
278	84.7			76 - 79		278	84.7
288	87.8			76 - 79		288	87.8
298	90.8			76 - 79		298	90.8

Maximum Allowable Travel Specifications

777T

Boom No. 78T With Long Reach 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 Degrees	
		Without Front Bumper Cwt.	
Ft.	m	0-1% Grade	2-5% Grade
138 + 30	42.1 + 9.1	70 - 79	74 - 77
138 + 40	42.1 + 12.2	70 - 79	74 - 77
138 + 50	42.1 + 15.2	72 - 79	76 - 77
138 + 60	42.1 + 18.3	72 - 79	76 - 77
138 + 70	42.1 + 21.3	74 - 79	
138 + 80	42.1 + 24.4	74 - 79	
148 + 30	45.1 + 9.1	74 - 79	
148 + 40	45.1 + 12.2	74 - 79	
148 + 50	45.1 + 15.2	74 - 79	
148 + 60	45.1 + 18.3	74 - 79	
148 + 70	45.1 + 21.3	76 - 79	
148 + 80	45.1 + 24.4	76 - 79	
158 + 30	48.2 + 9.1	76 - 79	
158 + 40	48.2 + 12.2	76 - 79	
158 + 50	48.2 + 15.2	76 - 79	
158 + 60	48.2 + 18.3	76 - 79	
158 + 70	48.2 + 21.3	76 - 79	
158 + 80	48.2 + 24.4	78 - 79	
168 + 30	51.2 + 9.1	78 - 79	
168 + 40	51.2 + 12.2	78 - 79	
168 + 50	51.2 + 15.2	78 - 79	
168 + 60	51.2 + 18.3	78 - 79	
168 + 70	51.2 + 21.3	78 - 79	
168 + 80	51.2 + 24.4	78 - 79	
178 + 30	54.3 + 9.1	78 - 79	
178 + 40	54.3 + 12.2	78 - 79	
178 + 50	54.3 + 15.2	78 - 79	
178 + 60	54.3 + 18.3	78 - 79	
178 + 70	54.3 + 21.3	*	
178 + 80	54.3 + 24.4	*	
188 + 30	57.3 + 9.1	78 - 79	
188 + 40	57.3 + 12.2	78 - 79	
188 + 50	57.3 + 15.2	*	
188 + 60	57.3 + 18.3	*	
198 + 30	60.4 + 9.1	78 - 79	

Machine Travel Downhill Without Load Upper Facing Rear			
61,400 Lb. Crane Counterweight			
Boom + Jib Length		Boom Angle Range Degrees	
		Without Front Bumper Cwt.	
Ft.	m	0-1% Grade	2-5% Grade
138 + 30	42.1 + 9.1	70 - 79	65 - 77
138 + 40	42.1 + 12.2	70 - 79	70 - 77
138 + 50	42.1 + 15.2	70 - 79	70 - 77
138 + 60	42.1 + 18.3	72 - 79	70 - 77
138 + 70	42.1 + 21.3	74 - 79	70 - 77
138 + 80	42.1 + 24.4	74 - 79	70 - 77
148 + 30	45.1 + 9.1	74 - 79	70 - 77
148 + 40	45.1 + 12.2	74 - 79	70 - 77
148 + 50	45.1 + 15.2	74 - 79	70 - 77
148 + 60	45.1 + 18.3	74 - 79	70 - 77
148 + 70	45.1 + 21.3	74 - 79	70 - 77
148 + 80	45.1 + 24.4	76 - 79	72 - 77
158 + 30	48.2 + 9.1	76 - 79	72 - 77
158 + 40	48.2 + 12.2	76 - 79	72 - 77
158 + 50	48.2 + 15.2	76 - 79	72 - 77
158 + 60	48.2 + 18.3	76 - 79	72 - 77
158 + 70	48.2 + 21.3	76 - 79	72 - 77
158 + 80	48.2 + 24.4	76 - 79	72 - 77
168 + 30	51.2 + 9.1	76 - 79	72 - 77
168 + 40	51.2 + 12.2	76 - 79	72 - 77
168 + 50	51.2 + 15.2	76 - 79	72 - 77
168 + 60	51.2 + 18.3	76 - 79	72 - 77
168 + 70	51.2 + 21.3	78 - 79	
168 + 80	51.2 + 24.4	78 - 79	
178 + 30	54.3 + 9.1	78 - 79	
178 + 40	54.3 + 12.2	78 - 79	
178 + 50	54.3 + 15.2	78 - 79	
178 + 60	54.3 + 18.3	78 - 79	
178 + 70	54.3 + 21.3	78 - 79	

Maximum Allowable Travel Specifications

Boom No. 78T With Long Reach 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 Degrees	
		Without Front Bumper Cwt.	
Ft.	m	0-1% Grade	2-5% Grade
138 + 30	42.1 + 9.1	45 - 65	45 - 60
138 + 40	42.1 + 12.2	45 - 65	45 - 60
138 + 50	42.1 + 15.2	50 - 65	45 - 60
138 + 60	42.1 + 18.3	50 - 65	45 - 65
138 + 70	42.1 + 21.3	50 - 65	50 - 65
138 + 80	42.1 + 24.4	55 - 65	50 - 65
148 + 30	45.1 + 9.1	55 - 65	50 - 65
148 + 40	45.1 + 12.2	55 - 70	50 - 65
148 + 50	45.1 + 15.2	55 - 70	50 - 65
148 + 60	45.1 + 18.3	55 - 70	50 - 65
148 + 70	45.1 + 21.3	55 - 70	50 - 65
148 + 80	45.1 + 24.4	60 - 70	55 - 65
158 + 30	48.2 + 9.1	60 - 70	55 - 65
158 + 40	48.2 + 12.2	60 - 72	55 - 65
158 + 50	48.2 + 15.2	60 - 72	55 - 65
158 + 60	48.2 + 18.3	60 - 72	55 - 70
158 + 70	48.2 + 21.3	60 - 72	55 - 70
158 + 80	48.2 + 24.4	60 - 72	60 - 70
168 + 30	51.2 + 9.1	60 - 72	60 - 70
168 + 40	51.2 + 12.2	60 - 74	60 - 70
168 + 50	51.2 + 15.2	60 - 74	60 - 70
168 + 60	51.2 + 18.3	60 - 74	60 - 70
168 + 70	51.2 + 21.3	65 - 74	60 - 70
168 + 80	51.2 + 24.4	65 - 74	60 - 70
178 + 30	54.3 + 9.1	65 - 74	60 - 70
178 + 40	54.3 + 12.2	65 - 74	60 - 72
178 + 50	54.3 + 15.2	65 - 76	60 - 72
178 + 60	54.3 + 18.3	65 - 76	60 - 72
178 + 70	54.3 + 21.3	65 - 76	60 - 72
178 + 80	54.3 + 24.4	70 - 76	65 - 72
188 + 30	57.3 + 9.1	70 - 76	65 - 72
188 + 40	57.3 + 12.2	70 - 76	65 - 72
188 + 50	57.3 + 15.2	70 - 76	65 - 72
188 + 60	57.3 + 18.3	70 - 76	65 - 72
198 + 30	60.4 + 9.1	70 - 76	65 - 72
198 + 40	60.4 + 12.2	70 - 76	65 - 74

Machine Travel Downhill Without Load Upper Facing Front			
61,400 Lb. Crane Counterweight			
Boom + Jib Length		Boom Angle Range Degrees	
		Without Front Bumper Cwt.	
Ft.	m	0-1% Grade	2-5% Grade
138 + 30	42.1 + 9.1	45 - 65	50 - 72
138 + 40	42.1 + 12.2	45 - 65	50 - 74
138 + 50	42.1 + 15.2	50 - 70	50 - 74
138 + 60	42.1 + 18.3	50 - 70	55 - 76
138 + 70	42.1 + 21.3	55 - 70	60 - 76
138 + 80	42.1 + 24.4	55 - 70	60 - 76
148 + 30	45.1 + 9.1	55 - 70	60 - 74
148 + 40	45.1 + 12.2	55 - 70	60 - 76
148 + 50	45.1 + 15.2	55 - 72	60 - 76
148 + 60	45.1 + 18.3	55 - 72	60 - 76
148 + 70	45.1 + 21.3	60 - 72	60 - 77
148 + 80	45.1 + 24.4	60 - 72	65 - 77
158 + 30	48.2 + 9.1	60 - 72	65 - 76
158 + 40	48.2 + 12.2	60 - 72	65 - 76
158 + 50	48.2 + 15.2	60 - 74	65 - 77
158 + 60	48.2 + 18.3	60 - 74	65 - 77
158 + 70	48.2 + 21.3	60 - 74	65 - 77
158 + 80	48.2 + 24.4	60 - 74	65 - 77
168 + 30	51.2 + 9.1	60 - 74	65 - 77
168 + 40	51.2 + 12.2	60 - 74	65 - 77
168 + 50	51.2 + 15.2	60 - 74	65 - 77
168 + 60	51.2 + 18.3	65 - 74	65 - 77
168 + 70	51.2 + 21.3	65 - 74	70 - 77
168 + 80	51.2 + 24.4	65 - 74	70 - 77
178 + 30	54.3 + 9.1	65 - 74	70 - 77
178 + 40	54.3 + 12.2	65 - 76	70 - 77
178 + 50	54.3 + 15.2	65 - 76	70 - 77
178 + 60	54.3 + 18.3	65 - 76	70 - 77
178 + 70	54.3 + 21.3	70 - 76	70 - 77
178 + 80	54.3 + 24.4	70 - 76	70 - 77
188 + 30	57.3 + 9.1	70 - 76	70 - 77
188 + 40	57.3 + 12.2	70 - 76	70 - 77
188 + 50	57.3 + 15.2	70 - 76	70 - 77
188 + 60	57.3 + 18.3	70 - 76	70 - 77
198 + 30	60.4 + 9.1	70 - 76	
198 + 40	60.4 + 12.2	70 - 78	

Maximum Allowable Travel Specifications

777T

Boom No. 78T With Long Reach 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 Degrees	
		Without Front Bumper Cwt.	
Ft.	m	0-1% Grade	2-5% Grade
138 + 30	42.1 + 9.1	65 - 79	70 - 77
138 + 40	42.1 + 12.2	70 - 79	70 - 77
138 + 50	42.1 + 15.2	70 - 79	70 - 77
138 + 60	42.1 + 18.3	70 - 79	72 - 77
138 + 70	42.1 + 21.3	70 - 79	72 - 77
138 + 80	42.1 + 24.4	70 - 79	74 - 77
148 + 30	45.1 + 9.1	70 - 79	74 - 77
148 + 40	45.1 + 12.2	70 - 79	74 - 77
148 + 50	45.1 + 15.2	70 - 79	74 - 77
148 + 60	45.1 + 18.3	70 - 79	74 - 77
148 + 70	45.1 + 21.3	70 - 79	74 - 77
148 + 80	45.1 + 24.4	72 - 79	76 - 77
158 + 30	48.2 + 9.1	72 - 79	76 - 77
158 + 40	48.2 + 12.2	72 - 79	76 - 77
158 + 50	48.2 + 15.2	72 - 79	76 - 77
158 + 60	48.2 + 18.3	72 - 79	76 - 77
158 + 70	48.2 + 21.3	72 - 79	76 - 77
158 + 80	48.2 + 24.4	74 - 79	
168 + 30	51.2 + 9.1	74 - 79	
168 + 40	51.2 + 12.2	74 - 79	
168 + 50	51.2 + 15.2	74 - 79	
168 + 60	51.2 + 18.3	74 - 79	
168 + 70	51.2 + 21.3	74 - 79	
168 + 80	51.2 + 24.4	76 - 79	

Machine Travel Uphill Without Load Upper Facing Rear			
78,400 Lb. Crane Counterweight			
Boom + Jib Length		Boom Angle Range Degrees	
		Without Front Bumper Cwt.	
Ft.	m	0-1% Grade	2-5% Grade
178 + 30	54.3 + 9.1	76 - 79	Not Allowed
178 + 40	54.3 + 12.2	76 - 79	
178 + 50	54.3 + 15.2	76 - 79	
178 + 60	54.3 + 18.3	76 - 79	
178 + 70	54.3 + 21.3	76 - 79	
178 + 80	54.3 + 24.4	76 - 79	
188 + 30	57.3 + 9.1	76 - 79	
188 + 40	57.3 + 12.2	76 - 79	
188 + 50	57.3 + 15.2	76 - 79	
188 + 60	57.3 + 18.3	76 - 79	
188 + 70	57.3 + 21.3	78 - 79	
188 + 80	57.3 + 24.4	78 - 79	
198 + 30	60.4 + 9.1	78 - 79	
198 + 40	60.4 + 12.2	78 - 79	
198 + 50	60.4 + 15.2	78 - 79	
198 + 60	60.4 + 18.3	78 - 79	
198 + 70	60.4 + 21.3	78 - 79	
198 + 80	60.4 + 24.4	78 - 79	
208 + 30	63.4 + 9.1	78 - 79	
208 + 40	63.4 + 12.2	78 - 79	
208 + 50	63.4 + 15.2	78 - 79	
218 + 30	66.4 + 9.1	78 - 79	

Maximum Allowable Travel Specifications

Boom No. 78T With Long Reach 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 Degrees	
		Without Front Bumper Cwt.	
Ft.	m	0-1% Grade	2-5% Grade
138 + 30	42.1 + 9.1	65 - 79	60 - 77
138 + 40	42.1 + 12.2	65 - 79	60 - 77
138 + 50	42.1 + 15.2	70 - 79	60 - 77
138 + 60	42.1 + 18.3	70 - 79	65 - 77
138 + 70	42.1 + 21.3	70 - 79	65 - 77
138 + 80	42.1 + 24.4	70 - 79	65 - 77
148 + 30	45.1 + 9.1	70 - 79	65 - 77
148 + 40	45.1 + 12.2	70 - 79	65 - 77
148 + 50	45.1 + 15.2	70 - 79	65 - 77
148 + 60	45.1 + 18.3	70 - 79	65 - 77
148 + 70	45.1 + 21.3	70 - 79	70 - 77
148 + 80	45.1 + 24.4	72 - 79	70 - 77
158 + 30	48.2 + 9.1	72 - 79	70 - 77
158 + 40	48.2 + 12.2	72 - 79	70 - 77
158 + 50	48.2 + 15.2	72 - 79	70 - 77
158 + 60	48.2 + 18.3	72 - 79	70 - 77
158 + 70	48.2 + 21.3	72 - 79	70 - 77
158 + 80	48.2 + 24.4	72 - 79	70 - 77
168 + 30	51.2 + 9.1	72 - 79	70 - 77
168 + 40	51.2 + 12.2	72 - 79	70 - 77
168 + 50	51.2 + 15.2	72 - 79	70 - 77
168 + 60	51.2 + 18.3	72 - 79	70 - 77
168 + 70	51.2 + 21.3	74 - 79	70 - 77
168 + 80	51.2 + 24.4	74 - 79	70 - 77

Machine Travel Downhill Without Load Upper Facing Rear			
78,400 Lb. Crane Counterweight			
Boom + Jib Length		Boom Angle Range Degrees	
		Without Front Bumper Cwt.	
Ft.	m	0-1% Grade	2-5% Grade
178 + 30	54.3 + 9.1	74 - 79	70 - 77
178 + 40	54.3 + 12.2	74 - 79	70 - 77
178 + 50	54.3 + 15.2	74 - 79	70 - 77
178 + 60	54.3 + 18.3	74 - 79	70 - 77
178 + 70	54.3 + 21.3	76 - 79	72 - 77
178 + 80	54.3 + 24.4	76 - 79	72 - 77
188 + 30	57.3 + 9.1	76 - 79	72 - 77
188 + 40	57.3 + 12.2	76 - 79	72 - 77
188 + 50	57.3 + 15.2	76 - 79	72 - 77
188 + 60	57.3 + 18.3	76 - 79	72 - 77
188 + 70	57.3 + 21.3	76 - 79	72 - 77
188 + 80	57.3 + 24.4	76 - 79	74 - 77
198 + 30	60.4 + 9.1	76 - 79	74 - 77
198 + 40	60.4 + 12.2	76 - 79	74 - 77
198 + 50	60.4 + 15.2	76 - 79	74 - 77
198 + 60	60.4 + 18.3	76 - 79	74 - 77
198 + 70	60.4 + 21.3	76 - 79	74 - 77
198 + 80	60.4 + 24.4	76 - 79	74 - 77
208 + 30	63.4 + 9.1	76 - 79	74 - 77
208 + 40	63.4 + 12.2	76 - 79	74 - 77
208 + 50	63.4 + 15.2	76 - 79	74 - 77
218 + 30	66.4 + 9.1	76 - 79	74 - 77

Maximum Allowable Travel Specifications

777T

Boom No. 78T With Long Reach 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 Degrees	
		Without Front Bumper Cwt.	
Ft.	m	0-1% Grade	2-5% Grade
138 + 30	42.1 + 9.1	45 - 55	45 - 50
138 + 40	42.1 + 12.2	45 - 60	45 - 50
138 + 50	42.1 + 15.2	45 - 60	45 - 55
138 + 60	42.1 + 18.3	45 - 60	45 - 55
138 + 70	42.1 + 21.3	45 - 60	45 - 55
138 + 80	42.1 + 24.4	50 - 60	45 - 55
148 + 30	45.1 + 9.1	50 - 60	45 - 55
148 + 40	45.1 + 12.2	50 - 60	45 - 55
148 + 50	45.1 + 15.2	50 - 60	45 - 60
148 + 60	45.1 + 18.3	50 - 60	45 - 60
148 + 70	45.1 + 21.3	50 - 60	45 - 60
148 + 80	45.1 + 24.4	55 - 60	50 - 60
158 + 30	48.2 + 9.1	55 - 60	50 - 60
158 + 40	48.2 + 12.2	55 - 60	50 - 60
158 + 50	48.2 + 15.2	55 - 65	50 - 60
158 + 60	48.2 + 18.3	55 - 65	50 - 60
158 + 70	48.2 + 21.3	55 - 65	50 - 60
158 + 80	48.2 + 24.4	60 - 65	55 - 60
168 + 30	51.2 + 9.1	60 - 65	55 - 60
168 + 40	51.2 + 12.2	60 - 65	55 - 60
168 + 50	51.2 + 15.2	60 - 65	55 - 60
168 + 60	51.2 + 18.3	60 - 65	55 - 60
168 + 70	51.2 + 21.3	60 - 65	55 - 60
168 + 80	51.2 + 24.4	60 - 65	60 - 64

Machine Travel Uphill Without Load Upper Facing Front			
78,400 Lb. Crane Counterweight			
Boom + Jib Length		Boom Angle Range Degrees	
		Without Front Bumper Cwt.	
Ft.	m	0-1% Grade	2-5% Grade
178 + 30	54.3 + 9.1	60 - 65	60 - 64
178 + 40	54.3 + 12.2	60 - 70	60 - 65
178 + 50	54.3 + 15.2	60 - 70	60 - 65
178 + 60	54.3 + 18.3	60 - 70	60 - 65
178 + 70	54.3 + 21.3	60 - 70	60 - 65
178 + 80	54.3 + 24.4	65 - 70	60 - 65
188 + 30	57.3 + 9.1	65 - 70	60 - 65
188 + 40	57.3 + 12.2	65 - 70	60 - 65
188 + 50	57.3 + 15.2	65 - 72	60 - 65
188 + 60	57.3 + 18.3	65 - 72	60 - 65
188 + 70	57.3 + 21.3	65 - 72	60 - 65
188 + 80	57.3 + 24.4	65 - 72	60 - 65
198 + 30	60.4 + 9.1	65 - 72	60 - 65
198 + 40	60.4 + 12.2	65 - 72	60 - 65
198 + 50	60.4 + 15.2	65 - 72	60 - 65
198 + 60	60.4 + 18.3	65 - 72	60 - 70
198 + 70	60.4 + 21.3	70 - 72	65 - 70
198 + 80	60.4 + 24.4	70 - 72	65 - 70
208 + 30	63.4 + 9.1	70 - 72	65 - 70
208 + 40	63.4 + 12.2	70 - 74	65 - 70
208 + 50	63.4 + 15.2	70 - 74	65 - 70
218 + 30	66.4 + 9.1	70 - 74	65 - 70

Maximum Allowable Travel Specifications

777T

Boom No. 78T With Long Reach 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 Degrees	
		Without Front Bumper Cwt.	
Ft.	m	0-1% Grade	2-5% Grade
138 + 30	42.1 + 9.1	45 - 55	45 - 60
138 + 40	42.1 + 12.2	45 - 60	45 - 65
138 + 50	42.1 + 15.2	45 - 60	45 - 65
138 + 60	42.1 + 18.3	45 - 60	50 - 65
138 + 70	42.1 + 21.3	50 - 60	50 - 65
138 + 80	42.1 + 24.4	50 - 60	55 - 65
148 + 30	45.1 + 9.1	50 - 60	55 - 65
148 + 40	45.1 + 12.2	50 - 60	55 - 65
148 + 50	45.1 + 15.2	50 - 60	55 - 70
148 + 60	45.1 + 18.3	50 - 60	55 - 70
148 + 70	45.1 + 21.3	50 - 60	55 - 70
148 + 80	45.1 + 24.4	55 - 60	60 - 70
158 + 30	48.2 + 9.1	55 - 60	60 - 70
158 + 40	48.2 + 12.2	55 - 65	60 - 70
158 + 50	48.2 + 15.2	55 - 65	60 - 72
158 + 60	48.2 + 18.3	55 - 65	60 - 72
158 + 70	48.2 + 21.3	55 - 65	60 - 72
158 + 80	48.2 + 24.4	60 - 65	60 - 72
168 + 30	51.2 + 9.1	60 - 65	60 - 72
168 + 40	51.2 + 12.2	60 - 65	60 - 72
168 + 50	51.2 + 15.2	60 - 65	60 - 74
168 + 60	51.2 + 18.3	60 - 70	60 - 74
168 + 70	51.2 + 21.3	60 - 70	65 - 74
168 + 80	51.2 + 24.4	60 - 70	65 - 74

Machine Travel Downhill Without Load Upper Facing Front			
78,400 Lb. Crane Counterweight			
Boom + Jib Length		Boom Angle Range Degrees	
		Without Front Bumper Cwt.	
Ft.	m	0-1% Grade	2-5% Grade
178 + 30	54.3 + 9.1	60 - 70	65 - 74
178 + 40	54.3 + 12.2	60 - 70	65 - 74
178 + 50	54.3 + 15.2	60 - 70	65 - 76
178 + 60	54.3 + 18.3	60 - 70	65 - 76
178 + 70	54.3 + 21.3	65 - 70	70 - 76
178 + 80	54.3 + 24.4	65 - 70	70 - 76
188 + 30	57.3 + 9.1	65 - 70	70 - 76
188 + 40	57.3 + 12.2	65 - 72	70 - 76
188 + 50	57.3 + 15.2	65 - 72	70 - 76
188 + 60	57.3 + 18.3	65 - 72	70 - 76
188 + 70	57.3 + 21.3	65 - 72	70 - 76
188 + 80	57.3 + 24.4	70 - 72	70 - 76
198 + 30	60.4 + 9.1	70 - 72	70 - 76
198 + 40	60.4 + 12.2	70 - 72	70 - 76
198 + 50	60.4 + 15.2	70 - 74	70 - 77
198 + 60	60.4 + 18.3	70 - 74	70 - 77
198 + 70	60.4 + 21.3	70 - 74	70 - 77
198 + 80	60.4 + 24.4	70 - 74	70 - 77
208 + 30	63.4 + 9.1	70 - 74	70 - 77
208 + 40	63.4 + 12.2	70 - 74	70 - 77
208 + 50	63.4 + 15.2	70 - 74	70 - 77
218 + 30	66.4 + 9.1	70 - 74	70 - 77

Maximum Allowable Travel Specifications

777T

Boom No. 78T With Long Reach 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 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
138 + 30	42.1 + 9.1	60 - 79	65 - 77	45 - 55	45 - 60	138 + 30	42.1 + 9.1
138 + 40	42.1 + 12.2	60 - 79	65 - 77	45 - 60	50 - 65	138 + 40	42.1 + 12.2
138 + 50	42.1 + 15.2	60 - 79	65 - 77	45 - 60	50 - 65	138 + 50	42.1 + 15.2
138 + 60	42.1 + 18.3	65 - 79	70 - 77	50 - 60	50 - 65	138 + 60	42.1 + 18.3
138 + 70	42.1 + 21.3	65 - 79	70 - 77	50 - 60	55 - 65	138 + 70	42.1 + 21.3
138 + 80	42.1 + 24.4	70 - 79	70 - 77	50 - 60	55 - 65	138 + 80	42.1 + 24.4
148 + 30	45.1 + 9.1	70 - 79	70 - 77	50 - 60	55 - 65	148 + 30	45.1 + 9.1
148 + 40	45.1 + 12.2	70 - 79	70 - 77	50 - 60	55 - 65	148 + 40	45.1 + 12.2
148 + 50	45.1 + 15.2	70 - 79	70 - 77	50 - 60	55 - 70	148 + 50	45.1 + 15.2
148 + 60	45.1 + 18.3	70 - 79	70 - 77	55 - 60	60 - 70	148 + 60	45.1 + 18.3
148 + 70	45.1 + 21.3	70 - 79	70 - 77	55 - 60	60 - 70	148 + 70	45.1 + 21.3
148 + 80	45.1 + 24.4	70 - 79	72 - 77	55 - 60	60 - 70	148 + 80	45.1 + 24.4
158 + 30	48.2 + 9.1	70 - 79	72 - 77	55 - 60	60 - 70	158 + 30	48.2 + 9.1
158 + 40	48.2 + 12.2	70 - 79	72 - 77	55 - 65	60 - 70	158 + 40	48.2 + 12.2
158 + 50	48.2 + 15.2	70 - 79	72 - 77	55 - 65	60 - 72	158 + 50	48.2 + 15.2
158 + 60	48.2 + 18.3	70 - 79	72 - 77	60 - 65	60 - 72	158 + 60	48.2 + 18.3
158 + 70	48.2 + 21.3	70 - 79	72 - 77	60 - 65	60 - 72	158 + 70	48.2 + 21.3
158 + 80	48.2 + 24.4	70 - 79	74 - 77	60 - 65	65 - 72	158 + 80	48.2 + 24.4
168 + 30	51.2 + 9.1	70 - 79	74 - 77	60 - 65	65 - 72	168 + 30	51.2 + 9.1
168 + 40	51.2 + 12.2	70 - 79	74 - 77	60 - 65	65 - 72	168 + 40	51.2 + 12.2
168 + 50	51.2 + 15.2	70 - 79	74 - 77	60 - 65	65 - 74	168 + 50	51.2 + 15.2
168 + 60	51.2 + 18.3	70 - 79	74 - 77	60 - 65	65 - 74	168 + 60	51.2 + 18.3
168 + 70	51.2 + 21.3	70 - 79	74 - 77	60 - 65	65 - 74	168 + 70	51.2 + 21.3
168 + 80	51.2 + 24.4	72 - 79	76 - 77	65 - 65	70 - 74	168 + 80	51.2 + 24.4
178 + 30	54.3 + 9.1	72 - 79	76 - 77	65 - 65	70 - 74	178 + 30	54.3 + 9.1
178 + 40	54.3 + 12.2	72 - 79	76 - 77	65 - 70	70 - 74	178 + 40	54.3 + 12.2
178 + 50	54.3 + 15.2	72 - 79	76 - 77	65 - 70	70 - 74	178 + 50	54.3 + 15.2
178 + 60	54.3 + 18.3	72 - 79	76 - 77	65 - 70	70 - 74	178 + 60	54.3 + 18.3
178 + 70	54.3 + 21.3	72 - 79	76 - 77	65 - 70	70 - 74	178 + 70	54.3 + 21.3
178 + 80	54.3 + 24.4	74 - 79	76 - 77	65 - 70	70 - 74	178 + 80	54.3 + 24.4
188 + 30	57.3 + 9.1	74 - 79	76 - 77	65 - 70	70 - 74	188 + 30	57.3 + 9.1
188 + 40	57.3 + 12.2	74 - 79	76 - 77	65 - 70	70 - 76	188 + 40	57.3 + 12.2
188 + 50	57.3 + 15.2	74 - 79	76 - 77	65 - 72	70 - 76	188 + 50	57.3 + 15.2
188 + 60	57.3 + 18.3	74 - 79	76 - 77	65 - 72	70 - 76	188 + 60	57.3 + 18.3
188 + 70	57.3 + 21.3	74 - 79		65 - 72	70 - 76	188 + 70	57.3 + 21.3
188 + 80	57.3 + 24.4	74 - 79		70 - 72	70 - 76	188 + 80	57.3 + 24.4

Maximum Allowable Travel Specifications

Boom No. 78T With Long Reach 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 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
198 + 30	60.4 + 9.1	74 - 79	Not Allowed	70 - 72	70 - 76	198 + 30	60.4 + 9.1
198 + 40	60.4 + 12.2	74 - 79		70 - 72	70 - 76	198 + 40	60.4 + 12.2
198 + 50	60.4 + 15.2	74 - 79		70 - 72	70 - 76	198 + 50	60.4 + 15.2
198 + 60	60.4 + 18.3	74 - 79		70 - 72	70 - 76	198 + 60	60.4 + 18.3
198 + 70	60.4 + 21.3	74 - 79		70 - 72	70 - 76	198 + 70	60.4 + 21.3
198 + 80	60.4 + 24.4	76 - 79		70 - 72	70 - 76	198 + 80	60.4 + 24.4
208 + 30	63.4 + 9.1	76 - 79		70 - 72	70 - 76	208 + 30	63.4 + 9.1
208 + 40	63.4 + 12.2	76 - 79		70 - 72	70 - 77	208 + 40	63.4 + 12.2
208 + 50	63.4 + 15.2	76 - 79		70 - 74	70 - 77	208 + 50	63.4 + 15.2
208 + 60	63.4 + 18.3	76 - 79		70 - 74	70 - 77	208 + 60	63.4 + 18.3
208 + 70	63.4 + 21.3	76 - 79		70 - 74	72 - 77	208 + 70	63.4 + 21.3
208 + 80	63.4 + 24.4	76 - 79		70 - 74	72 - 77	208 + 80	63.4 + 24.4
218 + 30	66.4 + 9.1	76 - 79		70 - 74	72 - 77	218 + 30	66.4 + 9.1
218 + 40	66.4 + 12.2	76 - 79		70 - 74	72 - 77	218 + 40	66.4 + 12.2
218 + 50	66.4 + 15.2	76 - 79		70 - 74	72 - 77	218 + 50	66.4 + 15.2
218 + 60	66.4 + 18.3	76 - 79		70 - 74	72 - 77	218 + 60	66.4 + 18.3
218 + 70	66.4 + 21.3	78 - 79		70 - 74	74 - 77	218 + 70	66.4 + 21.3
218 + 80	66.4 + 24.4	*		70 - 74	74 - 77	218 + 80	66.4 + 24.4
228 + 30	69.5 + 9.1	78 - 79		70 - 74	74 - 77	228 + 30	69.5 + 9.1
228 + 40	69.5 + 12.2	78 - 79		70 - 74	74 - 77	228 + 40	69.5 + 12.2
228 + 50	69.5 + 15.2	78 - 79		70 - 76	74 - 77	228 + 50	69.5 + 15.2
228 + 60	69.5 + 18.3			70 - 76	74 - 77	228 + 60	69.5 + 18.3
228 + 70	69.5 + 21.3			72 - 76	74 - 77	228 + 70	69.5 + 21.3
228 + 80	69.5 + 24.4			72 - 76	76 - 77	228 + 80	69.5 + 24.4
238 + 30	72.5 + 9.1			72 - 76	76 - 77	238 + 30	72.5 + 9.1
238 + 40	72.5 + 12.2			72 - 76	76 - 77	238 + 40	72.5 + 12.2
238 + 50	72.5 + 15.2			72 - 76	76 - 77	238 + 50	72.5 + 15.2
238 + 60	72.5 + 18.3			72 - 76	76 - 77	238 + 60	72.5 + 18.3
238 + 70	72.5 + 21.3			72 - 76	76 - 77	238 + 70	72.5 + 21.3
238 + 80	72.5 + 24.4			74 - 76	76 - 77	238 + 80	72.5 + 24.4
248 + 30	75.6 + 9.1			74 - 76	76 - 77	248 + 30	75.6 + 9.1
248 + 40	75.6 + 12.2			74 - 76	76 - 77	248 + 40	75.6 + 12.2
248 + 50	75.6 + 15.2			74 - 76	76 - 77	248 + 50	75.6 + 15.2
248 + 60	75.6 + 18.3			74 - 76	76 - 77	248 + 60	75.6 + 18.3
258 + 30	78.6 + 9.1			74 - 76	76 - 77	258 + 30	78.6 + 9.1
268 + 30	81.7 + 9.1			74 - 78	76 - 77	268 + 30	81.7 + 9.1

Maximum Allowable Travel Specifications

777T

Boom No. 78T With Long Reach 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 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
138 + 30	42.1 + 9.1	60 - 79	55 - 76	45 - 55	45 - 50	138 + 30	42.1 + 9.1
138 + 40	42.1 + 12.2	60 - 79	55 - 76	45 - 55	45 - 50	138 + 40	42.1 + 12.2
138 + 50	42.1 + 15.2	60 - 79	55 - 76	45 - 60	45 - 50	138 + 50	42.1 + 15.2
138 + 60	42.1 + 18.3	65 - 79	60 - 76	50 - 60	45 - 50	138 + 60	42.1 + 18.3
138 + 70	42.1 + 21.3	65 - 79	60 - 76	50 - 60	45 - 55	138 + 70	42.1 + 21.3
138 + 80	42.1 + 24.4	65 - 79	60 - 76	50 - 60	45 - 55	138 + 80	42.1 + 24.4
148 + 30	45.1 + 9.1	65 - 79	60 - 76	50 - 60	45 - 55	148 + 30	45.1 + 9.1
148 + 40	45.1 + 12.2	65 - 79	60 - 76	50 - 60	45 - 55	148 + 40	45.1 + 12.2
148 + 50	45.1 + 15.2	65 - 79	60 - 76	50 - 60	45 - 55	148 + 50	45.1 + 15.2
148 + 60	45.1 + 18.3	65 - 79	60 - 76	50 - 60	50 - 60	148 + 60	45.1 + 18.3
148 + 70	45.1 + 21.3	70 - 79	60 - 76	55 - 60	50 - 60	148 + 70	45.1 + 21.3
148 + 80	45.1 + 24.4	70 - 79	65 - 76	55 - 60	50 - 60	148 + 80	45.1 + 24.4
158 + 30	48.2 + 9.1	70 - 79	65 - 76	55 - 60	50 - 60	158 + 30	48.2 + 9.1
158 + 40	48.2 + 12.2	70 - 79	65 - 77	55 - 60	50 - 60	158 + 40	48.2 + 12.2
158 + 50	48.2 + 15.2	70 - 79	65 - 77	55 - 65	50 - 60	158 + 50	48.2 + 15.2
158 + 60	48.2 + 18.3	70 - 79	65 - 77	55 - 65	50 - 60	158 + 60	48.2 + 18.3
158 + 70	48.2 + 21.3	70 - 79	65 - 77	60 - 65	55 - 60	158 + 70	48.2 + 21.3
158 + 80	48.2 + 24.4	70 - 79	65 - 77	60 - 65	55 - 60	158 + 80	48.2 + 24.4
168 + 30	51.2 + 9.1	70 - 79	65 - 77	60 - 65	55 - 60	168 + 30	51.2 + 9.1
168 + 40	51.2 + 12.2	70 - 79	65 - 77	60 - 65	55 - 60	168 + 40	51.2 + 12.2
168 + 50	51.2 + 15.2	70 - 79	65 - 77	60 - 65	55 - 60	168 + 50	51.2 + 15.2
168 + 60	51.2 + 18.3	70 - 79	65 - 77	60 - 65	55 - 60	168 + 60	51.2 + 18.3
168 + 70	51.2 + 21.3	70 - 79	70 - 77	60 - 65	55 - 60	168 + 70	51.2 + 21.3
168 + 80	51.2 + 24.4	70 - 79	70 - 77	60 - 65	60 - 64	168 + 80	51.2 + 24.4
178 + 30	54.3 + 9.1	70 - 79	70 - 77	60 - 65	60 - 64	178 + 30	54.3 + 9.1
178 + 40	54.3 + 12.2	70 - 79	70 - 77	60 - 65	60 - 64	178 + 40	54.3 + 12.2
178 + 50	54.3 + 15.2	70 - 79	70 - 77	60 - 65	60 - 65	178 + 50	54.3 + 15.2
178 + 60	54.3 + 18.3	70 - 79	70 - 77	60 - 70	60 - 65	178 + 60	54.3 + 18.3
178 + 70	54.3 + 21.3	72 - 79	70 - 77	65 - 70	60 - 65	178 + 70	54.3 + 21.3
178 + 80	54.3 + 24.4	72 - 79	70 - 77	65 - 70	60 - 65	178 + 80	54.3 + 24.4
188 + 30	57.3 + 9.1	72 - 79	70 - 77	65 - 70	60 - 65	188 + 30	57.3 + 9.1
188 + 40	57.3 + 12.2	72 - 79	70 - 77	65 - 70	60 - 65	188 + 40	57.3 + 12.2
188 + 50	57.3 + 15.2	72 - 79	70 - 77	65 - 70	60 - 65	188 + 50	57.3 + 15.2
188 + 60	57.3 + 18.3	72 - 79	70 - 77	65 - 70	60 - 65	188 + 60	57.3 + 18.3
188 + 70	57.3 + 21.3	72 - 79	70 - 77	65 - 70	60 - 65	188 + 70	57.3 + 21.3
188 + 80	57.3 + 24.4	74 - 79	70 - 77	66 - 70		188 + 80	57.3 + 24.4
198 + 30	60.4 + 9.1	74 - 79	70 - 77	66 - 70		198 + 30	60.4 + 9.1
198 + 40	60.4 + 12.2	74 - 79	70 - 77	66 - 70		198 + 40	60.4 + 12.2
198 + 50	60.4 + 15.2	72 - 79	70 - 77	66 - 72		198 + 50	60.4 + 15.2
198 + 60	60.4 + 18.3	74 - 79	70 - 77	66 - 72		198 + 60	60.4 + 18.3
198 + 70	60.4 + 21.3	74 - 79	70 - 77	66 - 72		198 + 70	60.4 + 21.3
198 + 80	60.4 + 24.4	74 - 79	70 - 77	66 - 72		198 + 80	60.4 + 24.4

Maximum Allowable Travel Specifications

Boom No. 78T With Long Reach 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 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
208 + 30	63.4 + 9.1	74 - 79	70 - 77	70 - 72	62 - 68	208 + 30	63.4 + 9.1
208 + 40	63.4 + 12.2	74 - 79	70 - 77	70 - 72	62 - 68	208 + 40	63.4 + 12.2
208 + 50	63.4 + 15.2	74 - 79	70 - 77	70 - 72	62 - 70	208 + 50	63.4 + 15.2
208 + 60	63.4 + 18.3	74 - 79	70 - 77	70 - 72	62 - 70	208 + 60	63.4 + 18.3
208 + 70	63.4 + 21.3	76 - 79	72 - 77	70 - 72	64 - 70	208 + 70	63.4 + 21.3
208 + 80	63.4 + 24.4	76 - 79	72 - 77	70 - 72	64 - 70	208 + 80	63.4 + 24.4
218 + 30	66.4 + 9.1	76 - 79	72 - 77	70 - 72	64 - 70	218 + 30	66.4 + 9.1
218 + 40	66.4 + 12.2	76 - 79	72 - 77	70 - 74	64 - 70	218 + 40	66.4 + 12.2
218 + 50	66.4 + 15.2	76 - 79	72 - 77	70 - 74	64 - 70	218 + 50	66.4 + 15.2
218 + 60	66.4 + 18.3	76 - 79	72 - 77	70 - 74	64 - 70	218 + 60	66.4 + 18.3
218 + 70	66.4 + 21.3	76 - 79	72 - 77	70 - 74	66 - 70	218 + 70	66.4 + 21.3
218 + 80	66.4 + 24.4	*	*	70 - 74	66 - 70	218 + 80	66.4 + 24.4
228 + 30	69.5 + 9.1	76 - 79	72 - 77	70 - 74	66 - 70	228 + 30	69.5 + 9.1
228 + 40	69.5 + 12.2	76 - 79	72 - 77	70 - 74	66 - 72	228 + 40	69.5 + 12.2
228 + 50	69.5 + 15.2	76 - 79	72 - 77	70 - 74	66 - 72	228 + 50	69.5 + 15.2
228 + 60	69.5 + 18.3			70 - 74	66 - 72	228 + 60	69.5 + 18.3
228 + 70	69.5 + 21.3			70 - 74	66 - 72	228 + 70	69.5 + 21.3
228 + 80	69.5 + 24.4			72 - 74	68 - 72	228 + 80	69.5 + 24.4
238 + 30	72.5 + 9.1			72 - 74	68 - 72	238 + 30	72.5 + 9.1
238 + 40	72.5 + 12.2			72 - 74	68 - 72	238 + 40	72.5 + 12.2
238 + 50	72.5 + 15.2			72 - 76	68 - 72	238 + 50	72.5 + 15.2
238 + 60	72.5 + 18.3			72 - 76	68 - 72	238 + 60	72.5 + 18.3
238 + 70	72.5 + 21.3			72 - 76	68 - 72	238 + 70	72.5 + 21.3
238 + 80	72.5 + 24.4			72 - 76	68 - 72	238 + 80	72.5 + 24.4
248 + 30	75.6 + 9.1			72 - 76	68 - 72	248 + 30	75.6 + 9.1
248 + 40	75.6 + 12.2			72 - 76	68 - 72	248 + 40	75.6 + 12.2
248 + 50	75.6 + 15.2			72 - 76	68 - 72	248 + 50	75.6 + 15.2
248 + 60	75.6 + 18.3			72 - 76	68 - 72	248 + 60	75.6 + 18.3
258 + 30	78.6 + 9.1			72 - 76	68 - 72	258 + 30	78.6 + 9.1
268 + 30	81.7 + 9.1			72 - 76	70 - 74	268 + 30	81.7 + 9.1

Maximum Allowable Travel Specifications

777T

Boom No. 78T With Long Reach 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 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
138 + 30	42.1 + 9.1	—	—	50 - 70	45 - 65	138 + 30	42.1 + 9.1
138 + 40	42.1 + 12.2	45 - 50	45 - 46	55 - 70	50 - 65	138 + 40	42.1 + 12.2
138 + 50	42.1 + 15.2	45 - 50	45 - 48	55 - 70	50 - 65	138 + 50	42.1 + 15.2
138 + 60	42.1 + 18.3	45 - 50	45 - 48	60 - 70	50 - 65	138 + 60	42.1 + 18.3
138 + 70	42.1 + 21.3	45 - 50	45 - 48	60 - 70	50 - 65	138 + 70	42.1 + 21.3
138 + 80	42.1 + 24.4	45 - 50	45 - 48	60 - 70	55 - 65	138 + 80	42.1 + 24.4
148 + 30	45.1 + 9.1	45 - 50	45 - 48	60 - 70	55 - 65	148 + 30	45.1 + 9.1
148 + 40	45.1 + 12.2	45 - 50	45 - 50	60 - 72	55 - 65	148 + 40	45.1 + 12.2
148 + 50	45.1 + 15.2	45 - 55	45 - 50	60 - 72	55 - 65	148 + 50	45.1 + 15.2
148 + 60	45.1 + 18.3	45 - 55	45 - 50	60 - 72	55 - 65	148 + 60	45.1 + 18.3
148 + 70	45.1 + 21.3	45 - 55	45 - 50	60 - 72	60 - 65	148 + 70	45.1 + 21.3
148 + 80	45.1 + 24.4	50 - 55	45 - 50	65 - 72	60 - 65	148 + 80	45.1 + 24.4
158 + 30	48.2 + 9.1	50 - 55	45 - 50	65 - 72	60 - 65	158 + 30	48.2 + 9.1
158 + 40	48.2 + 12.2	50 - 55	45 - 50	65 - 74	60 - 70	158 + 40	48.2 + 12.2
158 + 50	48.2 + 15.2	50 - 60	45 - 55	65 - 74	60 - 70	158 + 50	48.2 + 15.2
158 + 60	48.2 + 18.3	50 - 60	45 - 55	65 - 74	60 - 70	158 + 60	48.2 + 18.3
158 + 70	48.2 + 21.3	50 - 60	45 - 55	65 - 74	60 - 70	158 + 70	48.2 + 21.3
158 + 80	48.2 + 24.4	55 - 60	50 - 55	65 - 74	60 - 70	158 + 80	48.2 + 24.4
168 + 30	51.2 + 9.1	55 - 60	50 - 55	65 - 74	60 - 70	168 + 30	51.2 + 9.1
168 + 40	51.2 + 12.2	55 - 60	50 - 55	65 - 74	60 - 72	168 + 40	51.2 + 12.2
168 + 50	51.2 + 15.2	55 - 60	50 - 55	65 - 76	60 - 72	168 + 50	51.2 + 15.2
168 + 60	51.2 + 18.3	55 - 60	50 - 55	70 - 76	60 - 72	168 + 60	51.2 + 18.3
168 + 70	51.2 + 21.3	55 - 60	50 - 55	70 - 76	65 - 72	168 + 70	51.2 + 21.3
168 + 80	51.2 + 24.4	56 - 62	50 - 58	70 - 76	65 - 72	168 + 80	51.2 + 24.4
178 + 30	54.3 + 9.1	56 - 62	50 - 58	70 - 76	65 - 72	178 + 30	54.3 + 9.1
178 + 40	54.3 + 12.2	56 - 64	50 - 60	70 - 76	65 - 72	178 + 40	54.3 + 12.2
178 + 50	54.3 + 15.2	56 - 64	55 - 60	70 - 76	65 - 72	178 + 50	54.3 + 15.2
178 + 60	54.3 + 18.3	56 - 64	55 - 60	70 - 76	65 - 72	178 + 60	54.3 + 18.3
178 + 70	54.3 + 21.3	58 - 64	55 - 60	70 - 76	65 - 72	178 + 70	54.3 + 21.3
178 + 80	54.3 + 24.4	58 - 64	55 - 60	70 - 76	70 - 72	178 + 80	54.3 + 24.4
188 + 30	57.3 + 9.1	58 - 64	55 - 60	70 - 76	70 - 72	188 + 30	57.3 + 9.1
188 + 40	57.3 + 12.2	60 - 65	55 - 60	70 - 78	70 - 74	188 + 40	57.3 + 12.2
188 + 50	57.3 + 15.2	60 - 65	55 - 60	70 - 78	70 - 74	188 + 50	57.3 + 15.2
188 + 60	57.3 + 18.3	60 - 65	55 - 60	70 - 78	70 - 74	188 + 60	57.3 + 18.3
188 + 70	57.3 + 21.3	60 - 65	55 - 60	70 - 78	70 - 74	188 + 70	57.3 + 21.3
188 + 80	57.3 + 24.4	62 - 66	58 - 62	72 - 78	70 - 74	188 + 80	57.3 + 24.4
198 + 30	60.4 + 9.1	62 - 66	58 - 62	72 - 78	70 - 74	198 + 30	60.4 + 9.1
198 + 40	60.4 + 12.2	62 - 66	58 - 64	72 - 78	70 - 74	198 + 40	60.4 + 12.2
198 + 50	60.4 + 15.2	62 - 66	58 - 64	72 - 78	70 - 74	198 + 50	60.4 + 15.2
198 + 60	60.4 + 18.3	62 - 66	58 - 64	72 - 78	70 - 74	198 + 60	60.4 + 18.3
198 + 70	60.4 + 21.3	62 - 68	58 - 64	72 - 78	70 - 74	198 + 70	60.4 + 21.3
198 + 80	60.4 + 24.4	64 - 68	60 - 64	72 - 78	70 - 74	198 + 80	60.4 + 24.4

Maximum Allowable Travel Specifications

Boom No. 78T With Long Reach 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 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
208 + 30	63.4 + 9.1	64 - 68	60 - 64	72 - 78	70 - 74	208 + 30	63.4 + 9.1
208 + 40	63.4 + 12.2	64 - 68	60 - 64	72 - 78	70 - 76	208 + 40	63.4 + 12.2
208 + 50	63.4 + 15.2	64 - 70	60 - 66	72 - 78	70 - 76	208 + 50	63.4 + 15.2
208 + 60	63.4 + 18.3	64 - 70	60 - 66	72 - 78	70 - 76	208 + 60	63.4 + 18.3
208 + 70	63.4 + 21.3	64 - 70	60 - 66	74 - 78	70 - 76	208 + 70	63.4 + 21.3
208 + 80	63.4 + 24.4	66 - 70	62 - 66	74 - 78	70 - 76	208 + 80	63.4 + 24.4
218 + 30	66.4 + 9.1	66 - 70	62 - 66	74 - 78	70 - 76	218 + 30	66.4 + 9.1
218 + 40	66.4 + 12.2	66 - 70	62 - 66	74 - 79	70 - 76	218 + 40	66.4 + 12.2
218 + 50	66.4 + 15.2	66 - 70	62 - 68	74 - 79	70 - 76	218 + 50	66.4 + 15.2
218 + 60	66.4 + 18.3	66 - 70	62 - 68	74 - 79	70 - 76	218 + 60	66.4 + 18.3
218 + 70	66.4 + 21.3	66 - 70	62 - 68	74 - 79	70 - 76	218 + 70	66.4 + 21.3
218 + 80	66.4 + 24.4	*	*	76 - 79	72 - 76	218 + 80	66.4 + 24.4
228 + 30	69.5 + 9.1	66 - 70	62 - 68	76 - 79	72 - 76	228 + 30	69.5 + 9.1
228 + 40	69.5 + 12.2	66 - 72	62 - 68	76 - 79	72 - 76	228 + 40	69.5 + 12.2
228 + 50	69.5 + 15.2	66 - 72	62 - 68	76 - 79	72 - 76	228 + 50	69.5 + 15.2
228 + 60	69.5 + 18.3			76 - 79	72 - 77	228 + 60	69.5 + 18.3
228 + 70	69.5 + 21.3			76 - 79	72 - 77	228 + 70	69.5 + 21.3
228 + 80	69.5 + 24.4			76 - 79	72 - 77	228 + 80	69.5 + 24.4
238 + 30	72.5 + 9.1			76 - 79	72 - 77	238 + 30	72.5 + 9.1
238 + 40	72.5 + 12.2			76 - 79	72 - 77	238 + 40	72.5 + 12.2
238 + 50	72.5 + 15.2			76 - 79	72 - 77	238 + 50	72.5 + 15.2
238 + 60	72.5 + 18.3			76 - 79	72 - 77	238 + 60	72.5 + 18.3
238 + 70	72.5 + 21.3			76 - 79	72 - 77	238 + 70	72.5 + 21.3
238 + 80	72.5 + 24.4			78 - 79		238 + 80	72.5 + 24.4
248 + 30	75.6 + 9.1			78 - 79		248 + 30	75.6 + 9.1
248 + 40	75.6 + 12.2			78 - 79		248 + 40	75.6 + 12.2
248 + 50	75.6 + 15.2			78 - 79		248 + 50	75.6 + 15.2
248 + 60	75.6 + 18.3			78 - 79		248 + 60	75.6 + 18.3
258 + 30	78.6 + 9.1			78 - 79		258 + 30	78.6 + 9.1
268 + 30	81.7 + 9.1			78 - 79		268 + 30	81.7 + 9.1

Maximum Allowable Travel Specifications

777T

Boom No. 78T With Long Reach 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 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
138 + 30	42.1 + 9.1	45 - 50	45 - 55	50 - 70	55 - 76	138 + 30	42.1 + 9.1
138 + 40	42.1 + 12.2	45 - 50	45 - 55	55 - 72	60 - 76	138 + 40	42.1 + 12.2
138 + 50	42.1 + 15.2	45 - 50	45 - 55	55 - 72	60 - 77	138 + 50	42.1 + 15.2
138 + 60	42.1 + 18.3	45 - 50	45 - 60	60 - 72	60 - 77	138 + 60	42.1 + 18.3
138 + 70	42.1 + 21.3	45 - 50	45 - 60	60 - 72	65 - 77	138 + 70	42.1 + 21.3
138 + 80	42.1 + 24.4	45 - 50	50 - 60	60 - 72	65 - 77	138 + 80	42.1 + 24.4
148 + 30	45.1 + 9.1	45 - 50	50 - 60	60 - 72	65 - 77	148 + 30	45.1 + 9.1
148 + 40	45.1 + 12.2	45 - 55	50 - 60	60 - 72	65 - 77	148 + 40	45.1 + 12.2
148 + 50	45.1 + 15.2	45 - 55	50 - 60	60 - 74	65 - 77	148 + 50	45.1 + 15.2
148 + 60	45.1 + 18.3	45 - 55	50 - 60	60 - 74	65 - 77	148 + 60	45.1 + 18.3
148 + 70	45.1 + 21.3	50 - 55	50 - 64	64 - 74	70 - 77	148 + 70	45.1 + 21.3
148 + 80	45.1 + 24.4	50 - 55	55 - 64	64 - 74	70 - 77	148 + 80	45.1 + 24.4
158 + 30	48.2 + 9.1	50 - 55	55 - 62	62 - 74	70 - 77	158 + 30	48.2 + 9.1
158 + 40	48.2 + 12.2	50 - 55	55 - 64	64 - 74	70 - 77	158 + 40	48.2 + 12.2
158 + 50	48.2 + 15.2	50 - 60	55 - 65	64 - 74	70 - 77	158 + 50	48.2 + 15.2
158 + 60	48.2 + 18.3	50 - 60	55 - 65	64 - 76	70 - 77	158 + 60	48.2 + 18.3
158 + 70	48.2 + 21.3	50 - 60	55 - 65	64 - 76	70 - 77	158 + 70	48.2 + 21.3
158 + 80	48.2 + 24.4	55 - 60	60 - 65	66 - 76	70 - 77	158 + 80	48.2 + 24.4
168 + 30	51.2 + 9.1	55 - 60	60 - 65	66 - 76	70 - 77	168 + 30	51.2 + 9.1
168 + 40	51.2 + 12.2	55 - 60	60 - 65	66 - 76	70 - 77	168 + 40	51.2 + 12.2
168 + 50	51.2 + 15.2	55 - 64	60 - 65	66 - 76	70 - 77	168 + 50	51.2 + 15.2
168 + 60	51.2 + 18.3	55 - 64	60 - 65	66 - 76	70 - 77	168 + 60	51.2 + 18.3
168 + 70	51.2 + 21.3	55 - 64	60 - 65	68 - 76	70 - 77	168 + 70	51.2 + 21.3
168 + 80	51.2 + 24.4	56 - 64	60 - 65	68 - 76	72 - 77	168 + 80	51.2 + 24.4
178 + 30	54.3 + 9.1	56 - 64	60 - 65	68 - 76	72 - 77	178 + 30	54.3 + 9.1
178 + 40	54.3 + 12.2	56 - 64	60 - 65	68 - 78	72 - 77	178 + 40	54.3 + 12.2
178 + 50	54.3 + 15.2	56 - 65	60 - 70	68 - 78	72 - 77	178 + 50	54.3 + 15.2
178 + 60	54.3 + 18.3	56 - 65	60 - 70	68 - 78	72 - 77	178 + 60	54.3 + 18.3
178 + 70	54.3 + 21.3	58 - 65	65 - 70	70 - 78	72 - 77	178 + 70	54.3 + 21.3
178 + 80	54.3 + 24.4	60 - 65	65 - 70	70 - 78	74 - 77	178 + 80	54.3 + 24.4
188 + 30	57.3 + 9.1	60 - 65	65 - 70	70 - 78	74 - 77	188 + 30	57.3 + 9.1
188 + 40	57.3 + 12.2	60 - 65	65 - 70	70 - 78	74 - 77	188 + 40	57.3 + 12.2
188 + 50	57.3 + 15.2	60 - 65	65 - 72	70 - 78	74 - 77	188 + 50	57.3 + 15.2
188 + 60	57.3 + 18.3	60 - 65	65 - 72	70 - 78	74 - 77	188 + 60	57.3 + 18.3
188 + 70	57.3 + 21.3	60 - 65	65 - 72	72 - 78	74 - 77	188 + 70	57.3 + 21.3
188 + 80	57.3 + 24.4	62 - 68	66 - 72	72 - 78	76 - 77	188 + 80	57.3 + 24.4
198 + 30	60.4 + 9.1	62 - 68	66 - 72	72 - 78	76 - 77	198 + 30	60.4 + 9.1
198 + 40	60.4 + 12.2	62 - 68	66 - 72	72 - 78	76 - 77	198 + 40	60.4 + 12.2
198 + 50	60.4 + 15.2	62 - 68	66 - 74	72 - 79	76 - 77	198 + 50	60.4 + 15.2
198 + 60	60.4 + 18.3	64 - 68	66 - 74	72 - 79	76 - 77	198 + 60	60.4 + 18.3
198 + 70	60.4 + 21.3	64 - 68	66 - 74	72 - 79	76 - 77	198 + 70	60.4 + 21.3
198 + 80	60.4 + 24.4	64 - 68	68 - 74	74 - 79	76 - 77	198 + 80	60.4 + 24.4

Maximum Allowable Travel Specifications

777T

Boom No. 78T With Long Reach 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 25,000 Lb. Front Bumper Cwt.			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
208 + 30	63.4 + 9.1	64 - 68	68 - 74	74 - 79	76 - 77	208 + 30	63.4 + 9.1
208 + 40	63.4 + 12.2	64 - 70	68 - 74	74 - 79	76 - 77	208 + 40	63.4 + 12.2
208 + 50	63.4 + 15.2	65 - 70	68 - 74	74 - 79	76 - 77	208 + 50	63.4 + 15.2
208 + 60	63.4 + 18.3	65 - 70	68 - 74	74 - 79	76 - 77	208 + 60	63.4 + 18.3
208 + 70	63.4 + 21.3	66 - 70	68 - 74	74 - 79		208 + 70	63.4 + 21.3
208 + 80	63.4 + 24.4	66 - 70	70 - 74	74 - 79		208 + 80	63.4 + 24.4
218 + 30	66.4 + 9.1	66 - 70	70 - 74	74 - 79		218 + 30	66.4 + 9.1
218 + 40	66.4 + 12.2	66 - 70	70 - 76	74 - 79		218 + 40	66.4 + 12.2
218 + 50	66.4 + 15.2	66 - 72	70 - 76	74 - 79		218 + 50	66.4 + 15.2
218 + 60	66.4 + 18.3	66 - 72	70 - 76	74 - 79		218 + 60	66.4 + 18.3
218 + 70	66.4 + 21.3	68 - 72	70 - 76	76 - 79		218 + 70	66.4 + 21.3
218 + 80	66.4 + 24.4	*	*	76 - 79		218 + 80	66.4 + 24.4
228 + 30	69.5 + 9.1	68 - 72	70 - 76	76 - 79		228 + 30	69.5 + 9.1
228 + 40	69.5 + 12.2	68 - 72	70 - 76	76 - 79		228 + 40	69.5 + 12.2
228 + 50	69.5 + 15.2	68 - 72	70 - 76	76 - 79		228 + 50	69.5 + 15.2
228 + 60	69.5 + 18.3			76 - 79		228 + 60	69.5 + 18.3
228 + 70	69.5 + 21.3			76 - 79		228 + 70	69.5 + 21.3
228 + 80	69.5 + 24.4			78 - 79		228 + 80	69.5 + 24.4
238 + 30	72.5 + 9.1			78 - 79		238 + 30	72.5 + 9.1
238 + 40	72.5 + 12.2			78 - 79		238 + 40	72.5 + 12.2
238 + 50	72.5 + 15.2			78 - 79		238 + 50	72.5 + 15.2
238 + 60	72.5 + 18.3			78 - 79		238 + 60	72.5 + 18.3
238 + 70	72.5 + 21.3			78 - 79		238 + 70	72.5 + 21.3
238 + 80	72.5 + 24.4			78 - 79		238 + 80	72.5 + 24.4
248 + 30	75.6 + 9.1			78 - 79		248 + 30	75.6 + 9.1
248 + 40	75.6 + 12.2			78 - 79		248 + 40	75.6 + 12.2
248 + 50	75.6 + 15.2			78 - 79		248 + 50	75.6 + 15.2
248 + 60	75.6 + 18.3			78 - 79		248 + 60	75.6 + 18.3
258 + 30	78.6 + 9.1			78 - 79		258 + 30	78.6 + 9.1
268 + 30	81.7 + 9.1			78 - 79		268 + 30	81.7 + 9.1