

Maximum Allowable Travel Specifications

Boom No. 44A With Heavy Lift Top
Jib No. 132 With 20 Ft. (6 096 mm) Strut

2250T

Jobsite Travel

2250T must be equipped with 177,600 Lb. (80 560 kg) counterweight or 123,200 Lb. (55 880 kg) counterweight 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 10,000 Lbs. (4 540 kg) thru 250 Ft. (76.2m) boom and 6,000 Lbs. (2 720 kg) on 260 Ft. (79.2m) thru 300 Ft. (91.4m) boom. Total suspended weight beneath lower boom point must not exceed 8,000 Lbs. (3 630 kg) thru 250 Ft. (76.2m) boom and 6,000 Lbs. (2 720 kg) on 260 Ft. (79.2m) boom when jib is attached. Total suspended weight beneath jib point must not exceed 3,000 Lbs. (1 360 kg) on 40 Ft. (12.2m) and 60 Ft. (18.3m) jib and 2,000 Lbs. (910 kg) on 80 Ft. (24.4m) thru 120 Ft. (36.6m) jib.
- B. Machine to travel on a firm and uniformly supporting surface with crane upperworks in-line with carrier, 145 PSI (1 000 kPa) minimum tire pressure and 3/4 MPH (1.2 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. Asterisk (*) denotes boom or boom + jib lengths not allowed for 123,200 Lb. (55 880 kg) counterweight as specified in tables.
- G. Tables on pages 4 and 5 include all jib lengths and offset angles.

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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Boom No. 44A With Heavy Lift Top

Machine Travel Without Load - Upper Facing Rear							
Boom Length (not including jib)		Boom Angle Range In Degrees				Boom Length (not including jib)	
		177,600 Lb. (80 560 kg) Counterweight		123,200 Lb. (55 880 kg) Counterweight			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
UPHILL							
70	21.3	30 - 32	30 - 50	30 - 79	30 - 77	70	21.3
80	24.4	30 - 40	30 - 55	30 - 79	30 - 77	80	24.4
90	27.4	30 - 50	30 - 60	30 - 79	30 - 77	90	27.4
100	30.5	30 - 55	30 - 65	30 - 79	30 - 77	100	30.5
110	33.5	30 - 60	30 - 70	35 - 79	40 - 77	110	33.5
120	36.6	30 - 60	30 - 72	45 - 79	50 - 77	120	36.6
130	39.6	30 - 65	35 - 74	50 - 79	55 - 77	130	39.6
140	42.7	40 - 70	45 - 76	55 - 79	60 - 77	140	42.7
150	45.7	45 - 72	50 - 77	60 - 79	65 - 77	150	45.7
160	48.8	50 - 74	55 - 77	65 - 79	70 - 77	160	48.8
170	51.8	55 - 74	60 - 77	65 - 79	70 - 77	170	51.8
180	54.9	60 - 76	65 - 77	70 - 79	70 - 77	180	54.9
190	57.9	60 - 76	65 - 77	70 - 79	72 - 77	190	57.9
200	61.0	65 - 78	70 - 77	70 - 79	74 - 77	200	61.0
210	64.0	70 - 78	70 - 77	72 - 79	76 - 77	210	64.0
220	67.1	70 - 79	72 - 77	74 - 79	76 - 77	220	67.1
230	70.1	70 - 79	74 - 77	74 - 79	—	230	70.1
240	73.2	72 - 79	76 - 77	76 - 79	—	240	73.2
250	76.2	72 - 79	76 - 77	76 - 79	—	250	76.2
260	79.2	74 - 79	—	78 - 79	—	260	79.2
270	82.3	74 - 79	—	78 - 79	—	270	82.3
280	85.3	76 - 79	—	78 - 79	—	280	85.3
290	88.4	76 - 79	—	*	*	290	88.4
300	91.4	78 - 79	—	*	*	300	91.4
DOWNHILL							
70	21.3	—	—	30 - 79	30 - 77	70	21.3
80	24.4	30 - 40	—	30 - 79	30 - 77	80	24.4
90	27.4	30 - 45	30 - 35	30 - 79	30 - 77	90	27.4
100	30.5	30 - 50	30 - 45	30 - 79	30 - 77	100	30.5
110	33.5	30 - 55	30 - 50	30 - 79	30 - 77	110	33.5
120	36.6	30 - 60	30 - 55	40 - 79	35 - 77	120	36.6
130	39.6	30 - 65	30 - 60	50 - 79	40 - 77	130	39.6
140	42.7	35 - 65	30 - 60	55 - 79	50 - 77	140	42.7
150	45.7	45 - 70	40 - 65	60 - 79	55 - 77	150	45.7
160	48.8	50 - 72	45 - 65	60 - 79	60 - 77	160	48.8
170	51.8	55 - 74	50 - 65	65 - 79	60 - 77	170	51.8
180	54.9	60 - 74	50 - 70	70 - 79	60 - 77	180	54.9
190	57.9	60 - 76	55 - 72	70 - 79	65 - 77	190	57.9
200	61.0	65 - 76	60 - 72	70 - 79	70 - 77	200	61.0
210	64.0	65 - 78	60 - 74	70 - 79	70 - 77	210	64.0
220	67.1	70 - 78	65 - 74	72 - 79	70 - 77	220	67.1
230	70.1	70 - 78	65 - 76	74 - 79	70 - 77	230	70.1
240	73.2	70 - 79	70 - 76	74 - 79	70 - 77	240	73.2
250	76.2	72 - 79	76 - 76	76 - 79	72 - 77	250	76.2
260	79.2	74 - 79	70 - 76	76 - 79	72 - 77	260	79.2
270	82.3	74 - 79	70 - 77	78 - 79	—	270	82.3
280	85.3	76 - 79	72 - 77	78 - 79	—	280	85.3
290	88.4	76 - 79	72 - 77	*	*	290	88.4
300	91.4	78 - 79	—	*	*	300	91.4

Maximum Allowable Travel Specifications

Boom No. 44A With Heavy Lift Top

2250T

Machine Travel Without Load - Upper Facing Front							
Boom Length (not including jib)		Boom Angle Range In Degrees				Boom Length (not including jib)	
		177,600 Lb. (80 560 kg) Counterweight		123,200 Lb. (55 880 kg) Counterweight			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
UPHILL							
70	21.3	—	—	—	—	70	21.3
80	24.4	—	—	—	—	80	24.4
90	27.4	—	—	—	—	90	27.4
100	30.5	—	—	—	—	100	30.5
110	33.5	—	—	—	—	110	33.5
120	36.6	—	—	30 - 35	—	120	36.6
130	39.6	—	—	30 - 40	30 - 35	130	39.6
140	42.7	—	—	30 - 45	30 - 40	140	42.7
150	45.7	—	—	30 - 50	30 - 45	150	45.7
160	48.8	30 - 35	30 - 32	30 - 55	30 - 50	160	48.8
170	51.8	30 - 40	30 - 35	40 - 60	35 - 55	170	51.8
180	54.9	35 - 45	30 - 40	45 - 60	40 - 60	180	54.9
190	57.9	40 - 50	35 - 45	50 - 65	45 - 60	190	57.9
200	61.0	45 - 55	40 - 50	55 - 65	50 - 60	200	61.0
210	64.0	50 - 55	45 - 50	60 - 70	50 - 65	210	64.0
220	67.1	55 - 60	50 - 55	60 - 70	55 - 65	220	67.1
230	70.1	55 - 60	50 - 55	60 - 72	60 - 65	230	70.1
240	73.2	58 - 64	55 - 60	65 - 74	60 - 70	240	73.2
250	76.2	60 - 66	56 - 62	65 - 74	60 - 70	250	76.2
260	79.2	62 - 68	58 - 64	70 - 76	65 - 72	260	79.2
270	82.3	62 - 68	58 - 64	70 - 76	65 - 72	270	82.3
280	85.3	64 - 68	60 - 64	70 - 76	65 - 74	280	85.3
290	88.4	66 - 70	62 - 66	*	*	290	88.4
300	91.4	68 - 70	—	*	*	300	91.4
DOWNHILL							
70	21.3	—	—	—	—	70	21.3
80	24.4	—	—	—	—	80	24.4
90	27.4	—	—	—	—	90	27.4
100	30.5	—	—	—	—	100	30.5
110	33.5	—	—	—	—	110	33.5
120	36.6	—	—	30 - 35	30 - 45	120	36.6
130	39.6	—	—	30 - 40	30 - 50	130	39.6
140	42.7	—	—	30 - 50	30 - 55	140	42.7
150	45.7	30 - 32	30 - 40	30 - 55	30 - 60	150	45.7
160	48.8	30 - 40	30 - 45	35 - 60	40 - 65	160	48.8
170	51.8	30 - 40	30 - 50	40 - 60	45 - 65	170	51.8
180	54.9	35 - 50	40 - 55	50 - 60	50 - 70	180	54.9
190	57.9	40 - 50	45 - 60	50 - 65	55 - 72	190	57.9
200	61.0	50 - 55	50 - 60	55 - 65	60 - 74	200	61.0
210	64.0	50 - 60	55 - 60	60 - 70	60 - 74	210	64.0
220	67.1	55 - 60	60 - 65	60 - 72	65 - 76	220	67.1
230	70.1	56 - 64	60 - 65	65 - 74	70 - 77	230	70.1
240	73.2	58 - 66	62 - 70	65 - 74	70 - 77	240	73.2
250	76.2	60 - 66	64 - 72	70 - 76	70 - 77	250	76.2
260	79.2	62 - 68	66 - 72	70 - 76	70 - 77	260	79.2
270	82.3	64 - 68	66 - 74	70 - 76	72 - 77	270	82.3
280	85.3	66 - 70	68 - 74	70 - 78	72 - 77	280	85.3
290	88.4	66 - 70	70 - 74	*	*	290	88.4
300	91.4	68 - 70	—	*	*	300	91.4

Maximum Allowable Travel Specifications

2250T

Boom No. 44A With Heavy Lift Top
Jib No. 132 With 20 Ft. (6 096 mm) Strut

Machine Travel Without Load - Upper Facing Rear							
Boom Length (including all jib lengths and offset angles)		Boom Angle Range In Degrees				Boom Length (including all jib lengths and offset angles)	
		177,600 Lb. (80 560 kg) Counterweight		123,200 Lb. (55 880 kg) Counterweight			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
UPHILL							
130	39.6	60 - 72	65 - 77	70 - 79	72 - 77	130	39.6
140	42.7	60 - 74	70 - 77	70 - 79	74 - 77	140	42.7
150	45.7	65 - 76	70 - 77	72 - 79	76 - 77	150	45.7
160	48.8	70 - 76	72 - 77	74 - 79	—	160	48.8
170	51.8	70 - 78	74 - 77	74 - 79	—	170	51.8
180	54.9	72 - 78	76 - 77	76 - 79	—	180	54.9
190	57.9	74 - 79	76 - 77	78 - 79	—	190	57.9
200	61.0	76 - 79	—	78 - 79	—	200	61.0
210	64.0	76 - 79	—	—	—	210	64.0
220	67.1	78 - 79	—	—	—	220	67.1
230	70.1	78 - 79	—	—	—	230	70.1
240	73.2	78 - 79	—	—	—	240	73.2
250	76.2	78 - 79	—	—	—	250	76.2
260	79.2	78 - 79	—	*	*	260	79.2
DOWNHILL							
130	39.6	60 - 72	50 - 65	70 - 79	65 - 77	130	39.6
140	42.7	60 - 74	55 - 65	70 - 79	65 - 77	140	42.7
150	45.7	65 - 74	60 - 70	72 - 79	70 - 77	150	45.7
160	48.8	70 - 76	65 - 72	72 - 79	70 - 77	160	48.8
170	51.8	70 - 76	65 - 72	74 - 79	70 - 77	170	51.8
180	54.9	70 - 78	66 - 74	76 - 79	72 - 77	180	54.9
190	57.9	72 - 78	68 - 74	76 - 79	72 - 77	190	57.9
200	61.0	74 - 79	68 - 76	78 - 79	—	200	61.0
210	64.0	76 - 79	70 - 76	78 - 79	—	210	64.0
220	67.1	76 - 79	72 - 76	—	—	220	67.1
230	70.1	78 - 79	—	—	—	230	70.1
240	73.2	78 - 79	—	—	—	240	73.2
250	76.2	78 - 79	—	—	—	250	76.2
260	79.2	78 - 79	—	*	*	260	79.2

Maximum Allowable Travel Specifications

2250T

Boom No. 44A With Heavy Lift Top
Jib No. 132 With 20 Ft. (6 096 mm) Strut

Machine Travel Without Load - Upper Facing Front							
Boom Length (including all jib lengths and offset angles)		Boom Angle Range In Degrees				Boom Length (including all jib lengths and offset angles)	
		177,600 Lb. (80 560 kg) Counterweight		123,200 Lb. (55 880 kg) Counterweight			
Ft.	m	0-1% Grade	2-5% Grade	0-1% Grade	2-5% Grade	Ft.	m
UPHILL							
130	39.6	—	—	45 - 55	45 - 50	130	39.6
140	42.7	—	—	50 - 60	45 - 55	140	42.7
150	45.7	45 - 48	—	55 - 64	50 - 55	150	45.7
160	48.8	48 - 52	—	60 - 66	55 - 60	160	48.8
170	51.8	52 - 56	—	60 - 68	55 - 60	170	51.8
180	54.9	56 - 60	—	65 - 70	60 - 65	180	54.9
190	57.9	—	—	65 - 70	60 - 65	190	57.9
200	61.0	—	—	66 - 72	62 - 68	200	61.0
210	64.0	—	—	68 - 74	65 - 70	210	64.0
220	67.1	—	—	70 - 74	66 - 72	220	67.1
230	70.1	—	—	70 - 76	66 - 72	230	70.1
240	73.2	—	—	70 - 76	66 - 74	240	73.2
250	76.2	—	—	70 - 76	66 - 74	250	76.2
260	79.2	—	—	*	*	260	79.2
DOWNHILL							
130	39.6	—	—	45 - 58	50 - 64	130	39.6
140	42.7	—	—	50 - 60	55 - 65	140	42.7
150	45.7	45 - 48	—	55 - 64	60 - 70	150	45.7
160	48.8	50 - 52	—	60 - 66	65 - 72	160	48.8
170	51.8	—	—	60 - 68	65 - 74	170	51.8
180	54.9	—	—	65 - 70	66 - 76	180	54.9
190	57.9	—	—	66 - 72	68 - 76	190	57.9
200	61.0	—	—	68 - 74	70 - 77	200	61.0
210	64.0	—	—	68 - 74	72 - 77	210	64.0
220	67.1	—	—	70 - 76	74 - 77	220	67.1
230	70.1	—	—	70 - 76	74 - 77	230	70.1
240	73.2	—	—	70 - 76	74 - 77	240	73.2
250	76.2	—	—	70 - 76	74 - 77	250	76.2
260	79.2	—	—	*	*	260	79.2