

Operation

Tracks fully extended – 360° – Up to 0.5° slope

17,400 lb		17' 1"		0.5°		20 mph		360°		ASME B30.5			
36.1 ft		49.0 ft		62.0 ft		75.0 ft		87.9 ft		100.9 ft		113.8 ft	
ft	1,000 lb										ft		
8	110.2	101.5	82.8	-	-	-	-	-	-	-	-	8	
10	101.4	97.1	82.8	40.0	-	-	-	-	-	-	-	10	
12	91.4	87.3	78.7	40.0	36.6	-	-	-	-	-	-	12	
15	79.4	75.8	69.0	40.0	36.5	36.1	-	-	-	-	-	15	
20	53.0	50.9	49.6	40.0	36.4	34.6	31.7	-	-	-	-	20	
25	36.8	37.9	38.3	35.3	35.9	33.6	27.4	-	-	-	-	25	
30	-	28.4	28.9	28.4	26.8	27.2	24.1	-	-	-	-	30	
35	-	22.3	22.8	23.1	20.9	21.3	21.4	-	-	-	-	35	
40	-	18.1	18.5	18.9	16.8	17.7	17.4	-	-	-	-	40	
45	-	-	15.4	15.7	14.2	15.1	14.4	-	-	-	-	45	
50	-	-	13.1	13.4	12.9	12.7	12.0	-	-	-	-	50	
55	-	-	-	11.5	11.6	10.8	10.1	-	-	-	-	55	
60	-	-	-	9.9	10.1	9.3	8.4	-	-	-	-	60	
65	-	-	-	8.7	8.8	7.9	7.1	-	-	-	-	65	
70	-	-	-	-	7.7	6.7	5.9	-	-	-	-	70	
75	-	-	-	-	6.7	5.8	5.0	-	-	-	-	75	
80	-	-	-	-	6.0	4.9	4.1	-	-	-	-	80	
85	-	-	-	-	-	4.2	3.4	-	-	-	-	85	
90	-	-	-	-	-	3.6	2.8	-	-	-	-	90	
95	-	-	-	-	-	-	2.2	-	-	-	-	95	
100	-	-	-	-	-	-	1.7	-	-	-	-	100	
105	-	-	-	-	-	-	*	-	-	-	-	105	
	12	10	8	6	4	4	4						

Load chart data is for reference, load charts supplied in the crane cab shall be used for lift planning.

An asterisk (*) on the chart indicates positions without rated loads. These areas are susceptible to instability in either the forward or backward direction. Even without a load, the boom should not be positioned in these configurations of the load chart to avoid tipping.

Operation

Tracks fully extended – 360° – Up to 0.5° slope

28,200 lb		17' 1"		0.5°		20 mph		360°		ASME B30.5			
36.1 ft		49.0 ft		62.0 ft		75.0 ft		87.9 ft		100.9 ft		113.8 ft	
ft	1,000 lb										ft		
8	110.2	101.5	82.8	-	-	-	-	-	-	-	-	8	
10	101.4	97.1	82.8	40.0	-	-	-	-	-	-	-	10	
12	91.4	87.3	78.7	40.0	36.6	-	-	-	-	-	-	12	
15	79.4	75.8	69.0	40.0	36.5	36.1	-	-	-	-	-	15	
20	63.8	61.9	56.6	40.0	36.4	34.6	31.7	-	-	-	-	20	
25	45.6	44.1	43.0	40.0	36.4	33.6	27.4	25.3	-	-	-	25	
30	-	35.3	35.7	32.9	31.6	28.9	24.1	21.5	-	-	-	30	
35	-	28.0	28.4	25.8	26.5	25.3	21.5	19.3	-	-	-	35	
40	-	22.9	23.3	23.0	21.5	21.8	19.3	17.5	-	-	-	40	
45	-	-	19.6	19.9	17.9	18.2	17.5	15.6	-	-	-	45	
50	-	-	16.7	17.0	15.1	15.4	15.6	13.4	-	-	-	50	
55	-	-	-	14.7	12.8	13.3	13.4	11.6	-	-	-	55	
60	-	-	-	12.9	11.0	12.2	11.6	10.1	-	-	-	60	
65	-	-	-	11.4	9.8	10.8	10.1	8.9	-	-	-	65	
70	-	-	-	-	9.1	9.5	8.9	7.7	-	-	-	70	
75	-	-	-	-	8.4	8.4	7.7	6.7	-	-	-	75	
80	-	-	-	-	7.9	7.5	6.7	5.8	-	-	-	80	
85	-	-	-	-	-	6.6	5.8	5.0	-	-	-	85	
90	-	-	-	-	-	5.8	5.0	4.3	-	-	-	90	
95	-	-	-	-	-	-	4.3	3.7	-	-	-	95	
100	-	-	-	-	-	-	3.7	3.2	-	-	-	100	
105	-	-	-	-	-	-	3.2	-	-	-	-	105	
	12	10	8	6	4	4	4	4					

Load chart data is for reference, load charts supplied in the crane cab shall be used for lift planning.

Operation

Tracks fully extended – 360° – Up to 4° slope

17,400 lb		17' 1"		4°		20 mph		360°		ASME B30.5	
ft	36.1 ft	49.0 ft	62.0 ft	75.0 ft	87.9 ft	100.9 ft	113.8 ft	ft	1,000 lb	ft	ft
8	110.2	101.5	52.7	-	-	-	-	8		8	
10	101.4	97.1	52.7	40.7	-	-	-	10		10	
12	88.8	77.1	52.7	40.0	32.6	-	-	12		12	
15	65.1	57.5	51.8	40.0	32.6	28.7	-	15		15	
20	43.8	40.3	38.8	34.6	32.6	24.8	20.9	20		20	
25	32.3	31.0	29.8	28.7	25.2	24.0	20.9	25		25	
30	-	24.3	23.5	22.9	19.9	19.4	18.9	30		30	
35	-	19.7	19.2	18.7	16.0	16.8	15.5	35		35	
40	-	16.6	16.0	15.7	14.4	14.0	12.9	40		40	
45	-	-	13.6	13.4	13.0	11.9	10.8	45		45	
50	-	-	11.8	11.6	11.3	10.1	9.0	50		50	
55	-	-	-	10.1	9.9	8.6	7.6	55		55	
60	-	-	-	8.8	8.6	7.4	6.4	60		60	
65	-	-	-	7.8	7.6	6.3	5.3	65		65	
70	-	-	-	-	6.7	5.4	4.5	70		70	
75	-	-	-	-	5.9	4.7	3.7	75		75	
80	-	-	-	-	5.4	4.0	3.0	80		80	
85	-	-	-	-	-	3.5	2.5	85		85	
90	-	-	-	-	-	3.0	2.0	90		90	
95	-	-	-	-	-	-	1.5	95		95	
100	-	-	-	-	-	-	*	100		100	
105	-	-	-	-	-	-	*	105		105	
	12	10	8	6	4	4	4				

Load chart data is for reference, load charts supplied in the crane cab shall be used for lift planning.

An asterisk (*) on the chart indicates positions without rated loads. These areas are susceptible to instability in either the forward or backward direction. Even without a load, the boom should not be positioned in these configurations of the load chart to avoid tipping.

Operation

Tracks fully retracted – over front – Up to 0.5° slope

17,400 lb		11' 5"		0.5°		20 mph		ASME B30.5	
ft	36.1 ft	49.0 ft	62.0 ft	75.0 ft	87.9 ft	100.9 ft	113.8 ft	ft	
1,000 lb									
8	110.2	101.5	82.8	-	-	-	-	8	
10	101.4	97.1	82.8	40.0	-	-	-	10	
12	91.4	87.3	78.7	40.0	36.6	-	-	12	
15	79.4	75.8	69.0	40.0	36.5	36.1	-	15	
20	54.9	53.0	51.7	40.0	36.4	34.6	31.7	20	
25	37.7	38.8	38.8	36.2	36.4	33.6	27.4	25	
30	-	29.1	29.6	28.4	27.5	27.8	24.1	30	
35	-	22.9	23.3	23.7	21.5	21.8	21.5	35	
40	-	18.6	19.0	19.3	17.3	17.7	17.9	40	
45	-	-	15.8	16.1	14.2	15.5	14.7	45	
50	-	-	13.4	13.7	12.9	13.1	12.4	50	
55	-	-	-	11.8	11.7	11.1	10.5	55	
60	-	-	-	10.2	10.4	9.6	9.0	60	
65	-	-	-	9.0	9.1	8.3	7.7	65	
70	-	-	-	-	8.0	7.2	6.6	70	
75	-	-	-	-	7.1	6.3	5.7	75	
80	-	-	-	-	6.3	5.5	4.9	80	
85	-	-	-	-	-	4.9	4.3	85	
90	-	-	-	-	-	4.3	3.7	90	
95	-	-	-	-	-	-	3.1	95	
100	-	-	-	-	-	-	2.6	100	
105	-	-	-	-	-	-	2.1	105	
	12	10	8	6	4	4	4		

Load chart data is for reference, load charts supplied in the crane cab shall be used for lift planning.

Operation

Tracks fully extended – 360° – Up to 1.5° slope

0 lb		17' 1"		1.5°		20 mph		360°		ASME B30.5			
36.1 ft		49.0 ft		62.0 ft		75.0 ft		87.9 ft		100.9 ft		113.8 ft	
ft		ft		ft		ft		ft		ft		ft	
						1,000 lb							
8	110.2	101.5	82.8	-	-	-	-	-	-	-	-	-	8
10	101.4	93.0	82.1	55.1	-	-	-	-	-	-	-	-	10
12	71.8	66.0	61.4	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	12
15	48.3	44.6	41.8	40.0	40.0	36.5	36.5	36.5	36.5	36.5	36.5	36.5	15
20	29.5	30.4	30.5	30.4	30.4	26.5	27.2	27.2	24.2	24.2	24.2	24.2	20
25	20.1	21.2	21.5	21.6	21.6	21.5	20.0	20.0	17.9	17.9	17.9	17.9	25
30	-	15.6	16.0	16.2	16.2	16.2	14.9	14.9	13.6	13.6	13.6	13.6	30
35	-	11.8	12.2	12.6	12.6	12.6	11.4	11.4	10.4	10.4	10.4	10.4	35
40	-	9.1	9.6	9.9	9.9	10.0	8.9	8.9	7.9	7.9	7.9	7.9	40
45	-	-	7.6	7.9	8.0	8.0	6.9	6.9	6.0	6.0	6.0	6.0	45
50	-	-	6.0	6.3	6.5	6.5	5.4	5.4	4.6	4.6	4.6	4.6	50
55	-	-	-	5.1	5.2	5.2	4.2	4.2	3.4	3.4	3.4	3.4	55
60	-	-	-	4.1	4.2	4.2	3.2	3.2	2.4	2.4	2.4	2.4	60
65	-	-	-	3.3	3.4	3.4	2.4	2.4	1.6	1.6	1.6	1.6	65
70	-	-	-	-	2.7	2.7	1.7	1.7	*	*	*	*	70
75	-	-	-	-	2.1	2.1	*	*	*	*	*	*	75
80	-	-	-	-	1.7	1.7	*	*	*	*	*	*	80
85	-	-	-	-	-	-	*	*	*	*	*	*	85
90	-	-	-	-	-	-	*	*	*	*	*	*	90
95	-	-	-	-	-	-	-	-	*	*	*	*	95
100	-	-	-	-	-	-	-	-	*	*	*	*	100
105	-	-	-	-	-	-	-	-	*	*	*	*	105
	12	10	8	6	4	4	4	4	4	4	4	4	

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An asterisk (*) on the chart indicates positions without rated loads. These areas are susceptible to instability in either the forward or backward direction. Even without a load, the boom should not be positioned in these configurations of the load chart to avoid tipping.

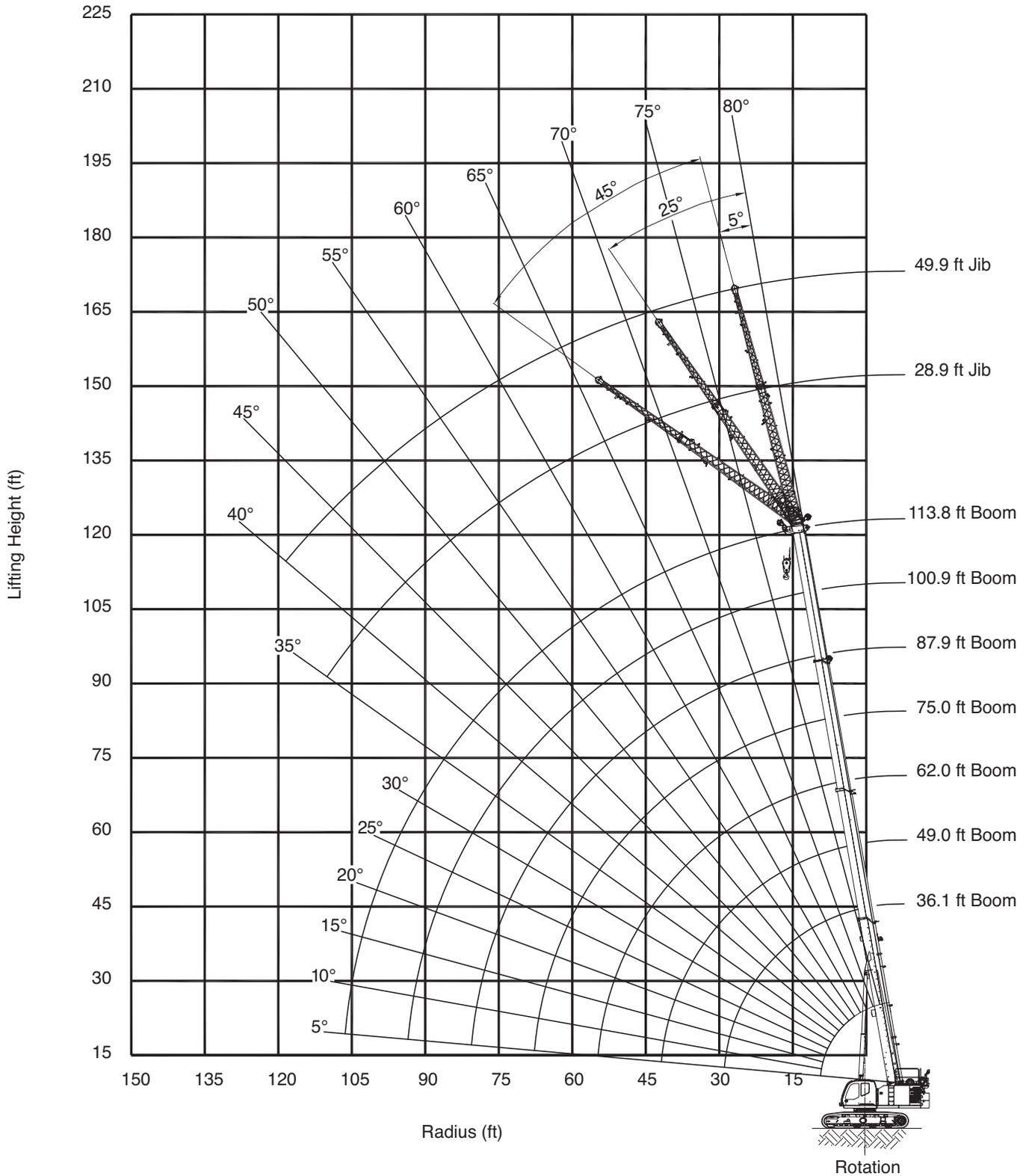
Operation

Tracks fully retracted – over side – Up to 1.5° slope

17,400 lb		11' 5"		1.5°		20 mph		ASME B30.5	
ft	36.1 ft	49.0 ft	62.0 ft	75.0 ft	87.9 ft	100.9 ft	113.8 ft	ft	
ft	1,000 lb							ft	
8	110.2	*	*	-	-	-	-	8	
10	86.3	79.8	71.3	*	-	-	-	10	
12	64.3	60.0	56.4	40.0	34.7	-	-	12	
15	45.8	43.0	40.8	40.0	36.5	35.7	-	15	
20	29.9	30.3	30.1	29.9	26.9	26.8	24.2	20	
25	21.5	22.1	22.2	22.2	22.0	20.5	18.5	25	
30	-	16.9	17.1	17.2	17.2	16.1	14.6	30	
35	-	13.4	13.6	13.8	13.8	12.8	11.7	35	
40	-	10.9	11.1	11.3	11.3	10.4	9.5	40	
45	-	-	9.2	9.4	9.4	8.6	7.7	45	
50	-	-	7.7	7.9	7.9	7.1	6.3	50	
55	-	-	-	6.7	6.7	6.0	5.2	55	
60	-	-	-	5.7	5.8	5.0	4.3	60	
65	-	-	-	4.9	4.9	4.2	3.5	65	
70	-	-	-	-	4.3	3.5	2.8	70	
75	-	-	-	-	3.7	2.9	2.1	75	
80	-	-	-	-	3.2	2.2	*	80	
85	-	-	-	-	-	1.7	*	85	
90	-	-	-	-	-	*	*	90	
95	-	-	-	-	-	-	*	95	
100	-	-	-	-	-	-	*	100	
105	-	-	-	-	-	-	*	105	
	12	10	8	6	4	4	4		

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An asterisk (*) on the chart indicates positions without rated loads. These areas are susceptible to instability in either the forward or backward direction. Even without a load, the boom should not be positioned in these configurations of the load chart to avoid tipping.



Operation

Tracks fully extended – 360° – Up to 0.5° slope – Folding jib

17,400 lb		17' 1"			0.5°			28.9 ft			20 mph			360°			ASME B30.5		
36.1 ft		62.0 ft			87.9 ft			100.9 ft			113.8 ft								
5°		25°			45°			5°			25°			45°					
ft	1,000 lb															ft			
10	10.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	
12	10.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	
15	10.9	-	-	10.9	-	-	-	-	-	-	-	-	-	-	-	-	-	15	
20	10.9	7.9	-	10.9	-	-	10.9	-	-	-	-	-	-	-	-	-	-	20	
25	9.6	7.2	-	10.9	7.9	-	10.9	-	-	10.9	-	-	-	-	-	-	-	25	
30	8.4	6.4	5.1	10.7	7.3	5.5	10.9	7.8	-	10.9	-	-	10.9	-	-	-	-	30	
35	7.5	5.8	4.8	9.6	6.8	5.2	10.9	7.3	-	10.9	7.5	-	10.9	-	-	-	-	35	
40	6.5	5.2	4.5	8.8	6.3	4.9	10.3	7.0	5.2	10.9	7.2	5.2	10.9	7.3	-	-	-	40	
45	5.8	4.9	4.3	8.0	5.9	4.7	9.5	6.6	5.0	10.1	6.8	5.1	10.3	7.0	5.1	-	-	45	
50	5.2	4.5	4.3	7.4	5.5	4.6	8.6	6.2	4.8	9.1	6.5	4.9	9.4	6.7	5.0	-	-	50	
55	4.7	4.3	-	6.7	5.2	4.4	7.8	5.8	4.7	8.3	6.1	4.8	8.7	6.3	4.9	-	-	55	
60	-	-	-	6.1	4.9	4.3	7.1	5.6	4.5	7.6	5.8	4.7	8.0	6.1	4.7	-	-	60	
65	-	-	-	5.6	4.7	4.3	6.5	5.3	4.4	7.0	5.6	4.5	7.3	5.8	4.6	-	-	65	
70	-	-	-	5.2	4.5	-	5.9	5.1	4.3	6.5	5.4	4.5	6.1	5.6	4.5	-	-	70	
75	-	-	-	4.9	4.4	-	5.4	4.9	4.3	5.8	5.1	4.4	5.0	5.4	4.4	-	-	75	
80	-	-	-	4.6	4.3	-	5.0	4.7	4.2	4.9	5.0	4.3	4.1	4.9	4.4	-	-	80	
85	-	-	-	-	-	-	4.6	4.6	4.2	4.1	4.7	4.3	3.4	4.0	4.3	-	-	85	
90	-	-	-	-	-	-	4.3	4.3	-	3.4	3.9	4.2	2.7	3.2	3.6	-	-	90	
95	-	-	-	-	-	-	3.7	4.0	-	2.8	3.2	3.4	2.1	2.6	2.9	-	-	95	
100	-	-	-	-	-	-	3.2	3.4	-	2.3	2.6	-	1.5	2.0	2.2	-	-	100	
105	-	-	-	-	-	-	2.7	2.8	-	1.8	2.1	-	1.0	1.4	1.6	-	-	105	
110	-	-	-	-	-	-	2.2	-	-	1.3	1.5	-	0.6	0.9	-	-	-	110	
115	-	-	-	-	-	-	-	-	-	0.9	1.1	-	*	0.5	-	-	-	115	
120	-	-	-	-	-	-	-	-	-	0.6	-	-	*	*	-	-	-	120	
125	-	-	-	-	-	-	-	-	-	-	-	-	*	*	-	-	-	125	
130	-	-	-	-	-	-	-	-	-	-	-	-	*	-	-	-	-	130	
135	-	-	-	-	-	-	-	-	-	-	-	-	*	-	-	-	-	135	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		

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An asterisk (*) on the chart indicates positions without rated loads. These areas are susceptible to instability in either the forward or backward direction. Even without a load, the boom should not be positioned in these configurations of the load chart to avoid tipping.

Operation



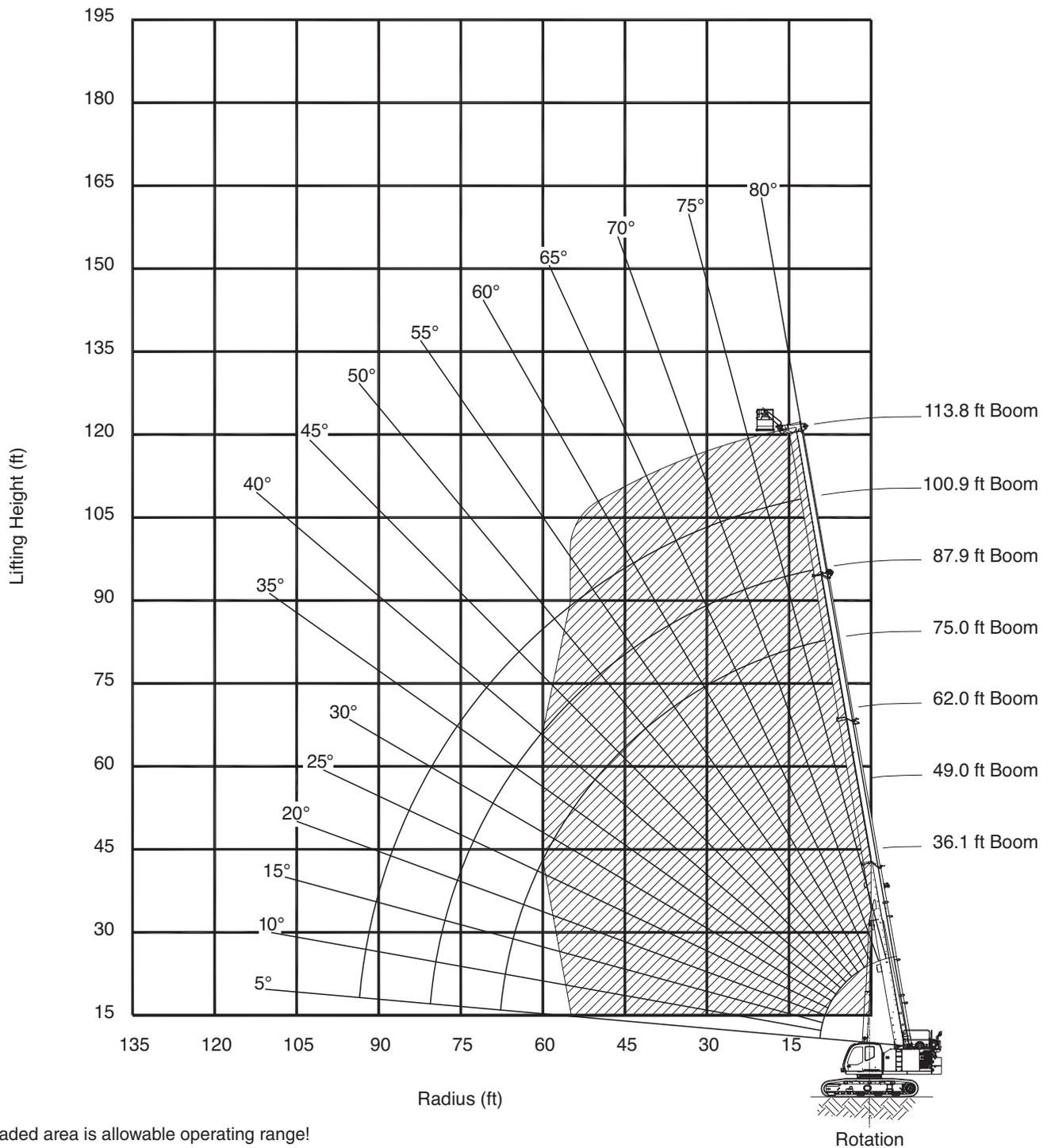
Tracks fully extended – 360° – Up to 0.5° slope – Folding jib

17,400 lb		17' 1"			0.5°			49.9 ft			20 mph			360°			ASME B30.5	
36.1 ft		62.0 ft			87.9 ft			100.9 ft			113.8 ft							
5°		25°		45°		5°		25°		45°		5°		25°		45°		
ft	1,000 lb															ft		
15	8.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	
20	8.2	-	-	7.9	-	-	-	-	-	-	-	-	-	-	-	-	20	
25	7.0	-	-	7.9	-	-	-	-	-	-	-	-	-	-	-	-	25	
30	5.8	-	-	7.3	-	-	7.2	-	-	7.0	-	-	-	-	-	-	30	
35	5.0	3.7	-	6.4	-	-	7.2	-	-	7.0	-	-	6.7	-	-	-	35	
40	4.3	3.3	-	5.6	3.7	-	6.7	-	-	7.0	-	-	6.7	-	-	-	40	
45	3.8	3.0	2.5	5.0	3.4	-	6.0	3.6	-	6.4	3.7	-	6.7	-	-	-	45	
50	3.4	2.8	2.3	4.5	3.2	2.5	5.4	3.4	-	5.8	3.5	-	6.2	3.6	-	-	50	
55	3.1	2.6	2.2	4.1	3.0	2.4	4.9	3.2	2.4	5.3	3.3	-	5.6	3.4	-	-	55	
60	2.8	2.4	2.1	3.7	2.8	2.2	4.5	3.0	2.3	4.9	3.2	2.4	5.2	3.2	-	-	60	
65	2.5	2.2	2.0	3.4	2.6	2.2	4.1	2.9	2.3	4.5	3.0	2.3	4.8	3.1	2.3	-	65	
70	2.3	2.1	2.0	3.1	2.5	2.1	3.8	2.7	2.2	4.1	2.9	2.2	4.5	3.0	2.2	-	70	
75	2.2	2.0	-	2.9	2.3	2.0	3.5	2.6	2.1	3.9	2.7	2.2	4.2	2.8	2.2	-	75	
80	2.0	-	-	2.7	2.2	2.0	3.3	2.5	2.1	3.6	2.6	2.1	3.9	2.7	2.1	-	80	
85	-	-	-	2.5	2.1	1.9	3.1	2.4	2.0	3.4	2.5	2.1	3.7	2.6	2.1	-	85	
90	-	-	-	2.4	2.1	1.9	2.9	2.3	2.0	3.2	2.4	2.0	3.5	2.5	2.1	-	90	
95	-	-	-	2.2	2.0	-	2.8	2.2	2.0	3.0	2.3	2.0	3.0	2.4	2.0	-	95	
100	-	-	-	2.1	2.0	-	2.6	2.1	1.9	2.9	2.2	2.0	2.4	2.4	2.0	-	100	
105	-	-	-	2.0	-	-	2.5	2.1	1.9	2.6	2.2	1.9	1.9	2.3	2.0	-	105	
110	-	-	-	-	-	-	2.4	2.0	1.9	2.2	2.1	1.9	1.5	2.2	1.9	-	110	
115	-	-	-	-	-	-	2.2	2.0	-	1.8	2.1	1.9	1.1	1.7	1.9	-	115	
120	-	-	-	-	-	-	2.2	2.0	-	1.4	1.8	1.9	0.7	1.2	1.5	-	120	
125	-	-	-	-	-	-	1.9	2.0	-	1.1	1.4	-	0.3	0.8	1.1	-	125	
130	-	-	-	-	-	-	1.6	-	-	0.7	1.0	-	*	0.4	0.6	-	130	
135	-	-	-	-	-	-	-	-	-	0.4	0.6	-	*	*	-	-	135	
140	-	-	-	-	-	-	-	-	-	*	-	-	*	*	-	-	140	
145	-	-	-	-	-	-	-	-	-	-	-	-	*	*	-	-	145	
150	-	-	-	-	-	-	-	-	-	-	-	-	*	*	-	-	150	
155	-	-	-	-	-	-	-	-	-	-	-	-	*	-	-	-	155	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			

Load chart data is for reference, load charts supplied in the crane cab shall be used for lift planning.

An asterisk (*) on the chart indicates positions without rated loads. These areas are susceptible to instability in either the forward or backward direction. Even without a load, the boom should not be positioned in these configurations of the load chart to avoid tipping.

WP750 Work platform



Shaded area is allowable operating range!

Limits of operation:

Max. load capacity = 750 lb · Max. radius when mounted on main boom = 60 ft · Max. occupancy = 2 persons

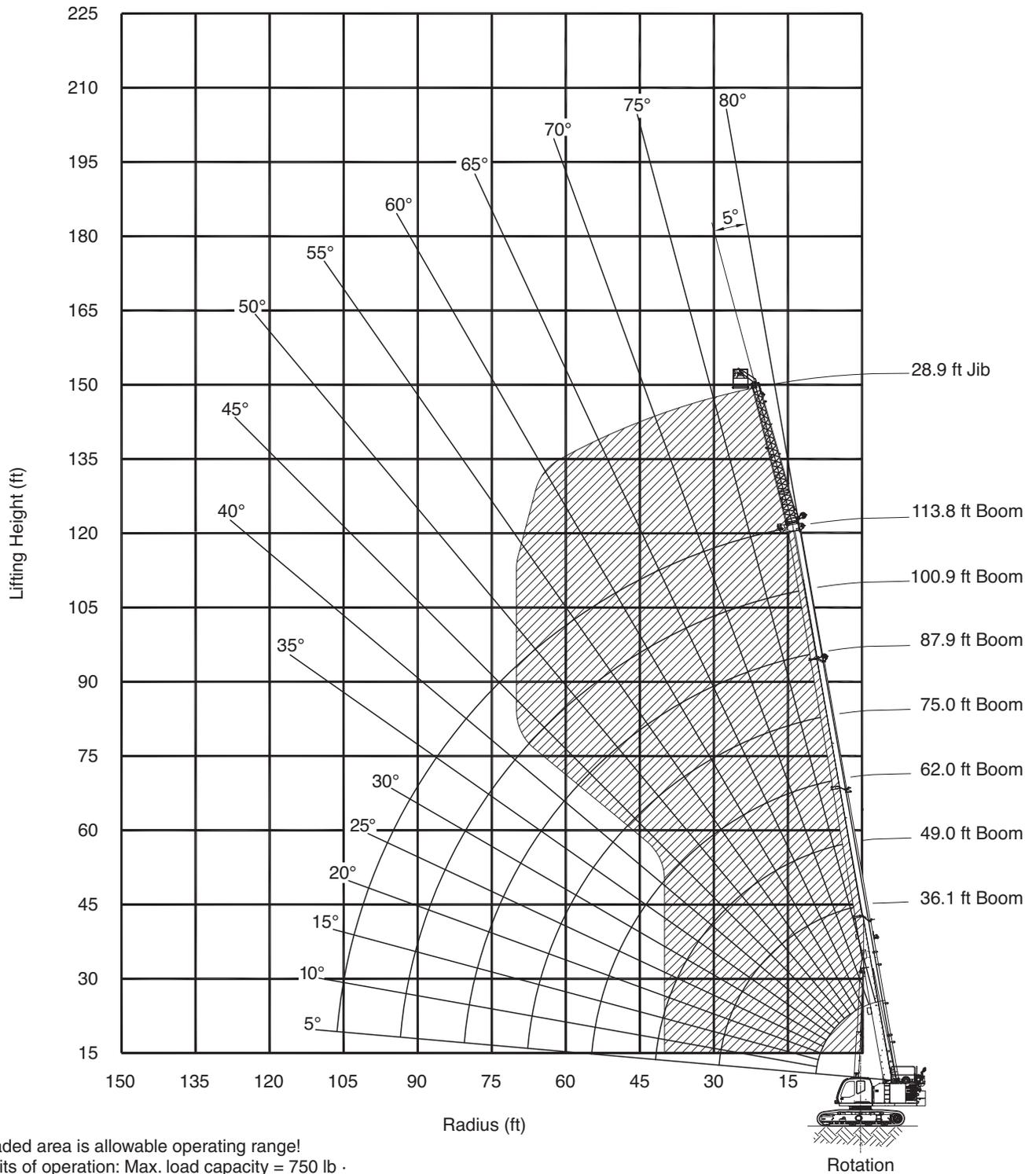
Notes:

1. It is permissible to leave the jibs stowed on the boom while operating with work platform mounted to the main boom.
2. The hook block(s) must be removed when using the work platform.

WARNING: Lifting a load during work platform operation is *not* allowed.

WARNING: Travelling the crane with person(s) in the work platform is *not* allowed.

WP750 Work platform



Notes:

1. It is permissible to leave the jib section stowed on the boom while operating with work platform mounted to the main boom.
2. The hook block(s) must be removed when using the work platform.

WARNING: Lifting a load during work platform operation is **not** allowed.

WARNING: Travelling the crane with person(s) in the work platform is **not** allowed.

Notes to Lifting Capacity

Definitions and Explanations

- Load capacity values in these charts are stated in lb x 1000.
- All ratings are for 360° of rotation unless otherwise specified on the chart.
- Load radius is defined as the horizontal distance from the axis of rotation (with no load) to the center of the lifting device after load is applied in feet (ft).
- Boom height dimensions are measured from ground to center of lower boom head sheave in feet (ft).
- Boom angle / boom length relationships given are an approximation of the resulting load radius, which should be an accurate measurement.
- Boom angle is the included angle between the longitudinal axis of the boom base section and the horizontal axis, after lifting load. The boom angle before lifting should be slightly greater than desired to account for boom deflection.
- Boom positions without rated loads in the charts are prohibited. These areas are indicated by an “*” and are susceptible to instability either in the forward direction or the backwards direction.
- It is acceptable to telescope boom with a load within the limits of rated capacities. However, boom angle, system hydraulic pressure, and/or boom lubrication may affect operation.
- Deduct the weight of the hook block, hook/ball, slings, spreader bar, or other suspended equipment from the listed rated capacities. This includes lifting accessories stowed on the boom such as jib, extension, and auger.
- Unless otherwise noted, travelling in low speed is allowed for all rated loads- reduce travel speed to minimize dynamic effects on the crane from swinging load, side loading, etc.
- This crane as originally manufactured meets the requirements of ASME B30.5 2014. Structure and stability have been tested in accordance with SAE J1063 and SAE J765.

Note

Data published herein is intended as a guide only and shall not be construed to warrant applicability for lifting purposes. Crane operation is subject to the computer charts and operation manual both supplied with the crane.