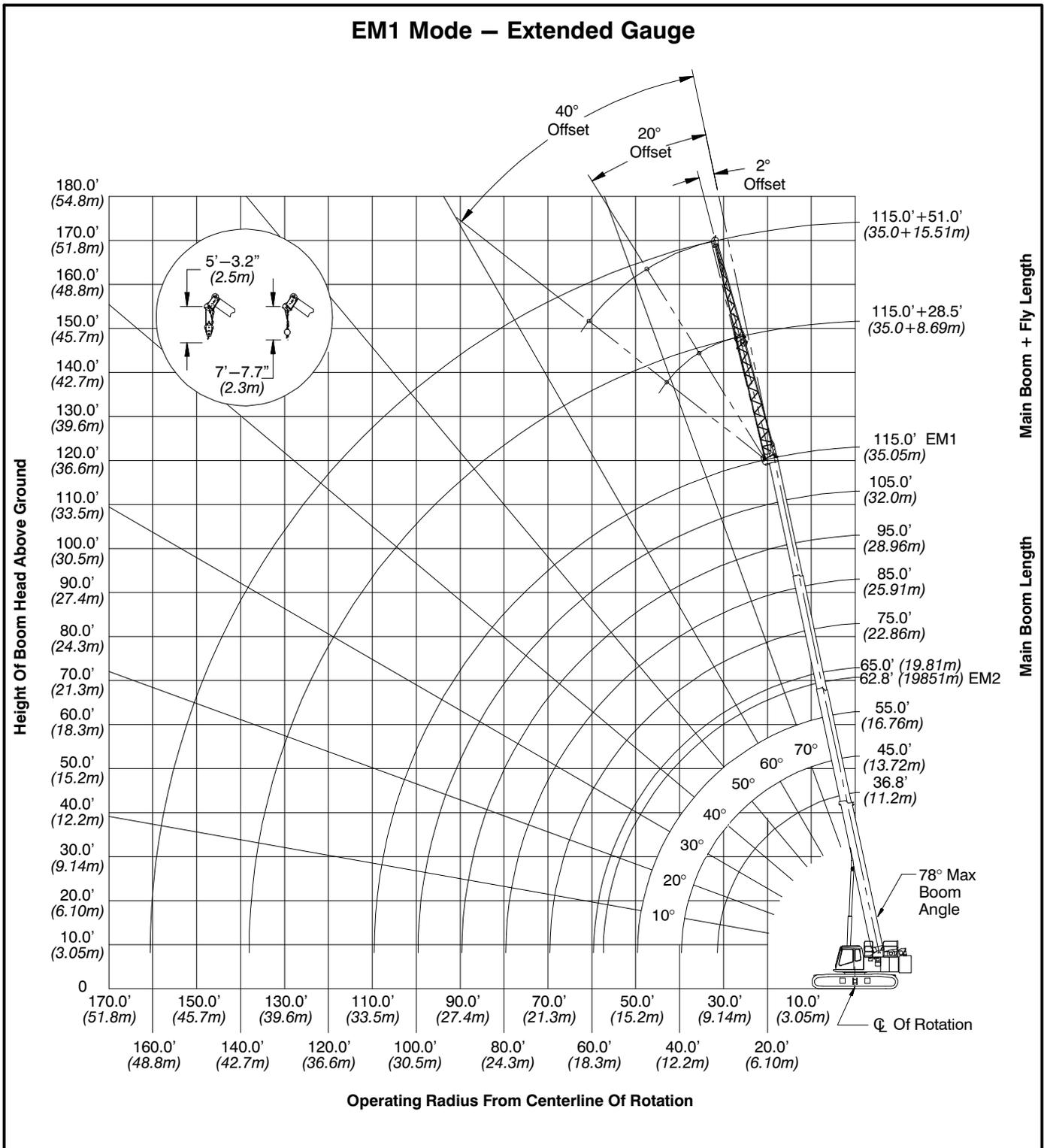


Main Boom Working Range Diagrams



Main Boom Load Charts

Main Boom Lift Capacity Chart – 360° Rotation – Side Frames Extended Position AB+0 [25,000 lb] Counterweight [All capacities are listed in kips]										
Load Radius (ft)	Boom Length (ft)									Load Radius (ft)
	36.8	45	55	62.8–65	75	85	95	105	115	
9	110.0									9
10	102.2	83.3	81.9							10
12	91.5	83.3	81.4	68.2						12
15	74.0	73.4	70.5	60.7	39.2					15
20	44.5	44.2	43.8	43.6	39.2	37.1				20
25	30.7	31.4	31.9	32.1	32.2	32.1	28.6	26.1		25
30	22.6	23.3	23.8	24.1	24.2	24.3	24.4	22.9	20.8	30
35		18.1	18.6	18.9	19.1	19.2	19.3	19.3	18.8	35
40			14.9	15.2	15.4	15.5	15.6	15.7	15.7	40
45			12.1	12.4	12.6	12.8	12.9	12.9	13.0	45
50				10.3	10.5	10.7	10.8	10.8	10.9	50
55				8.6	8.8	9.0	9.1	9.2	9.3	55
60					7.5	7.6	7.8	7.8	7.9	60
65					6.3	6.5	6.6	6.7	6.8	65
70						5.5	5.6	5.7	5.8	70
75						4.7	4.8	4.9	5.0	75
80							4.1	4.2	4.3	80
85							3.5	3.6	3.6	85
90								3.0	3.1	90
95								2.5	2.6	95
100									2.2	100
105									1.8	105

This material is supplied for reference use only. Operator must refer to in-cab Crane Rating Manual and Operator's Manual to determine allowable crane lifting capacities and assembly and operating procedures.

Main Boom Lift Capacity Chart — 360° Rotation — Side Frames Extended Position
ABC+A [36,000 lb] Counterweight
 [All capacities are listed in kips]

Load Radius (ft)	Boom Length (ft)									Load Radius (ft)
	36.8	45	55	62.8-65	75	85	95	105	115	
9	110.0									9
10	102.2	83.3	81.9							10
12	91.5	83.3	81.4	68.2						12
15	79.0	75.4	70.5	60.7	39.2					15
20	51.4	51.2	50.8	50.5	39.2	37.1				20
25	35.7	36.4	36.9	37.1	37.3	32.1	28.6	26.1		25
30	26.6	27.3	27.8	28.1	28.3	28.2	25.2	22.9	20.8	30
35		21.4	21.9	22.2	22.4	22.4	22.3	20.3	18.8	35
40			17.7	18.0	18.2	18.4	18.4	18.2	16.9	40
45			14.6	14.9	15.1	15.3	15.3	15.4	15.2	45
50				12.5	12.7	12.8	12.9	13.0	13.0	50
55				10.6	10.8	10.9	11.0	11.1	11.2	55
60					9.2	9.4	9.5	9.6	9.7	60
65					7.9	8.1	8.2	8.3	8.4	65
70						7.0	7.1	7.2	7.3	70
75						6.1	6.2	6.3	6.4	75
80							5.4	5.5	5.6	80
85							4.7	4.8	4.8	85
90								4.2	4.2	90
95								3.6	3.7	95
100									3.2	100
105									2.7	105

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Main Boom Load Charts (Metric)

Main Boom Lift Capacity Chart – 360° Rotation – Side Frames Extended Position AB+0 [11 340kg] Counterweight [All capacities are listed in mt]										
Load Radius (m)	Boom Length (m)									Load Radius (m)
	11.2	13.72	16.76	19.15-19.81	22.86	25.91	28.96	32	35.05	
2.5	51.00									2.5
3.0	46.80	37.75	37.10							3.0
3.5	42.70	37.75	37.10	31.60						3.5
4.0	39.25	37.35	34.95	29.60						4.0
4.5	34.55	34.30	32.35	27.80	17.75					4.5
5.0	28.50	28.25	28.05	26.20	17.75					5.0
6.0	20.7	20.60	20.40	20.30	17.75	17.00				6.0
7.0	16.00	16.30	16.50	16.60	16.70	15.40	13.75			7.0
8.0	12.80	13.15	13.40	13.45	13.55	13.60	12.55	11.45		8.0
9.0	10.50	10.85	11.10	11.20	11.25	11.30	11.35	10.55	9.45	9.0
10.0		9.10	9.35	9.50	9.60	9.65	9.65	9.70	9.00	10.0
12.0		6.65	6.90	7.05	7.15	7.20	7.25	7.30	7.30	12.0
14.0			5.30	5.45	5.55	5.55	5.65	5.65	5.70	14.0
16.0				4.25	4.40	4.45	4.50	4.55	4.55	16.0
18.0				3.40	3.50	3.55	3.65	3.65	3.70	18.0
20.0					2.80	2.90	3.00	3.00	3.00	20.0
22.0						2.30	2.40	2.40	2.45	22.0
24.0						1.85	1.95	1.95	2.00	24.0
26.0							1.55	1.60	1.65	26.0
28.0								1.30	1.30	28.0
30.0								1.00	1.05	30.0
32.0									0.80	32.0

This material is supplied for reference use only. Operator must refer to in-cab Crane Rating Manual and Operator's Manual to determine allowable crane lifting capacities and assembly and operating procedures.

Main Boom Lift Capacity Chart — 360° Rotation — Side Frames Extended Position
ABC+A [16 329kg] Counterweight
 [All capacities are listed in mt]

Load Radius (m)	Boom Length (m)									Load Radius (m)
	11.2	13.72	16.76	19.15-19.81	22.86	25.91	28.96	32	35.05	
2.5	51.00									2.5
3.0	46.80	37.50	37.10							3.0
3.5	42.70	37.50	37.10	31.60						3.5
4.0	39.25	37.50	34.95	29.60						4.0
4.5	36.25	34.60	32.35	27.80	17.75					4.5
5.0	32.75	32.15	30.15	26.20	17.75					5.0
6.0	23.95	23.80	23.65	23.45	17.75	17.00				6.0
7.0	18.60	18.50	18.40	18.30	17.75	15.40	13.75			7.0
8.0	14.95	15.30	15.50	15.60	15.70	14.10	12.55	11.45		8.0
9.0	12.40	12.70	12.95	13.05	13.10	12.95	11.55	10.55	9.545	9.0
10.0		10.75	10.95	11.10	11.20	11.25	10.65	9.70	9.00	10.0
12.0		7.95	8.25	8.35	8.45	8.50	8.55	8.40	7.75	12.0
14.0			6.35	6.50	6.60	6.70	6.75	6.75	6.75	14.0
16.0				5.20	5.30	5.35	5.40	5.45	5.45	16.0
18.0				4.20	4.30	4.40	4.45	4.50	4.50	18.0
20.0					3.55	3.60	3.65	3.70	3.75	20.0
22.0						3.00	3.05	3.10	3.10	22.0
24.0						2.45	2.50	2.55	2.60	24.0
26.0							2.10	2.15	2.20	26.0
28.0								1.80	1.80	28.0
30.0								1.50	1.50	30.0
32.0									1.25	32.0

This material is supplied for reference use only. Operator must refer to in-cab Crane Rating Manual and Operator's Manual to determine allowable crane lifting capacities and assembly and operating procedures.

Main Boom + Fly Load Charts

115 ft Main Boom + Fly – 360° Rotation – Side Frames Extended Position AB+0 [25,000 lb] Counterweight [All capacities are listed in kips]							
Load Radius (ft)	28.25 ft Manual Offset Fly			51 ft Manual Offset Fly			Load Radius (ft)
	2°	20°	40°	2°	20°	40°	
35	11.1						35
40	11.1						40
45	11.1	11.9		7.5			45
50	11.1	11.4		7.5			50
55	9.6	1.03	8.8	7.5			55
60	8.2	8.9	8.6	7.5	6.2		60
65	7.1	7.7	8.2	7.5	5.9		65
70	3.1	6.6	7.1	6.5	5.6	4.0	70
75	5.3	5.8	6.2	5.7	5.4	3.8	75
80	4.6	5.0	5.4	4.9	5.2	3.7	80
85	4.0	4.4	4.7	4.3	4.9	3.6	85
90	3.4	3.8	4.0	3.8	4.4	3.5	90
95	2.9	3.3	3.5	3.3	3.8	3.4	95
100	2.5	2.8	3.0	2.8	3.4	3.4	100
105	2.1	2.4	2.5	2.4	2.9	3.3	105
110	1.8	2.0	2.1	2.1	2.5	2.9	110
115	1.5	1.6	1.7	1.8	2.2	2.5	115
120	1.2	1.3		1.5	1.8	2.1	120
125	0.9	1.0		1.2	1.5	1.8	125
130				1.0	1.3	1.5	130
135					1.0	1.1	135
140						0.9	140

This material is supplied for reference use only. Operator must refer to in-cab Crane Rating Manual and Operator's Manual to determine allowable crane lifting capacities and assembly and operating procedures.

**115' Main Boom + Fly – 360° Rotation – Side Frames Extended Position
ABC+A [36,000 lb] Counterweight
[All capacities are listed in kips]**

Load Radius (ft)	28.25 ft Manual Offset Fly			51 ft Manual Offset Fly			Load Radius (ft)
	2°	20°	40°	2°	20°	40°	
35	11.1						35
40	11.1						40
45	11.1	11.9		7.5			45
50	11.1	11.4		7.5			50
55	11.1	11.0	8.8	7.5			55
60	10.0	10.0	8.6	7.5	6.2		60
65	8.7	9.2	8.3	7.5	5.9		65
70	7.6	8.1	8.1	7.5	5.6	4.0	70
75	6.7	7.2	7.6	7.0	5.4	3.8	75
80	5.9	6.3	6.7	6.2	5.2	3.7	80
85	5.2	5.6	5.9	5.5	4.9	3.6	85
90	4.6	4.9	5.2	4.9	4.7	3.5	90
95	4.0	4.3	4.6	4.3	4.5	3.4	95
100	3.5	3.8	4.0	3.8	4.4	3.4	100
105	3.1	3.3	3.5	3.4	3.9	3.3	105
110	2.7	2.9	3.0	3.0	3.4	3.2	110
115	2.3	2.5	2.6	2.6	3.0	3.2	115
120	2.0	2.2		2.3	2.7	3.0	120
125	1.7	1.8		2.0	2.3	2.6	125
130	1.4	1.5		1.7	2.0	2.2	130
135	1.2			1.5	1.7	1.9	135
140				1.3	1.5	1.6	140
145				1.0	1.2		145
150					1.0		150

This material is supplied for reference use only. Operator must refer to in-cab Crane Rating Manual and Operator's Manual to determine allowable crane lifting capacities and assembly and operating procedures.

Main Boom + Fly Load Charts (Metric)

35.05m Main Boom + Fly – 360° Rotation – Side Frames Extended Position AB+0 [11 340kg] Counterweight [All capacities are listed in mt]							
Load Radius (m)	8.7m Manual Offset Fly			15.5m Manual Offset Fly			Load Radius (m)
	2°	20°	40°	2°	20°	40°	
12.0	5.20						12.0
14.0	5.20	5.35		3.40			14.0
16.0	4.70	5.00	4.05	3.40			16.0
18.0	3.85	4.15	3.90	3.40	2.85		18.0
20.0	3.15	3.40	3.65	3.30	2.65		20.0
22.0	2.60	2.85	3.05	2.75	2.50	1.75	22.0
24.0	2.15	2.35	2.50	2.30	2.35	1.70	24.0
26.0	1.80	1.95	2.10	1.95	2.25	1.65	26.0
28.0	1.45	1.60	1.75	1.60	1.90	1.60	28.0
30.0	1.20	1.35	1.40	1.35	1.60	1.65	30.0
32.0	0.95	1.05	1.15	1.10	1.30	1.50	32.0
34.0	0.75	0.85	0.90	0.90	1.10	1.25	34.0
36.0	0.55	0.65	0.70	0.70	0.90	1.00	36.0
38.0	0.40	0.45		0.55	0.70	0.80	38.0
40.0				0.40	0.55	0.60	40.0
42.0					0.40	0.45	42.0

This material is supplied for reference use only. Operator must refer to in-cab Crane Rating Manual and Operator's Manual to determine allowable crane lifting capacities and assembly and operating procedures.

**35.05m Main Boom + Fly – 360° Rotation – Side Frames Extended Position
ABC+A [16 329kg] Counterweight
[All capacities are listed in mt]**

Load Radius (m)	8.7m Manual Offset Fly			15.5m Manual Offset Fly			Load Radius (m)
	2°	20°	40°	2°	20°	40°	
12.0	5.20						12.0
14.0	5.20	5.35		3.40			14.0
16.0	5.20	5.10	4.05	3.40			16.0
18.0	4.65	4.65	3.90	3.40	2.85		18.0
20.0	3.90	4.15	3.75	3.40	2.65		20.0
22.0	3.25	3.50	3.60	3.40	2.50	1.75	22.0
24.0	2.75	2.95	3.10	2.90	2.35	1.70	24.0
26.0	2.35	2.50	2.65	2.50	2.25	1.65	26.0
28.0	1.95	2.10	2.25	2.10	2.10	1.60	28.0
30.0	1.65	1.80	1.90	1.80	2.00	1.55	30.0
32.0	1.40	1.50	1.60	1.55	1.75	1.50	32.0
34.0	1.215	1.25	1.30	1.30	1.50	1.45	34.0
36.0	0.95	1.05	1.05	1.10	1.25	1.40	36.0
38.0	0.80	0.85		0.90	1.05	1.20	38.0
40.0	0.60	0.65		0.75	0.90	0.95	40.0
42.0	0.50			0.60	0.70	0.75	42.0
44.0				0.50	0.55		44.0
46.0					0.40		46.0

This material is supplied for reference use only. Operator must refer to in-cab Crane Rating Manual and Operator's Manual to determine allowable crane lifting capacities and assembly and operating procedures.