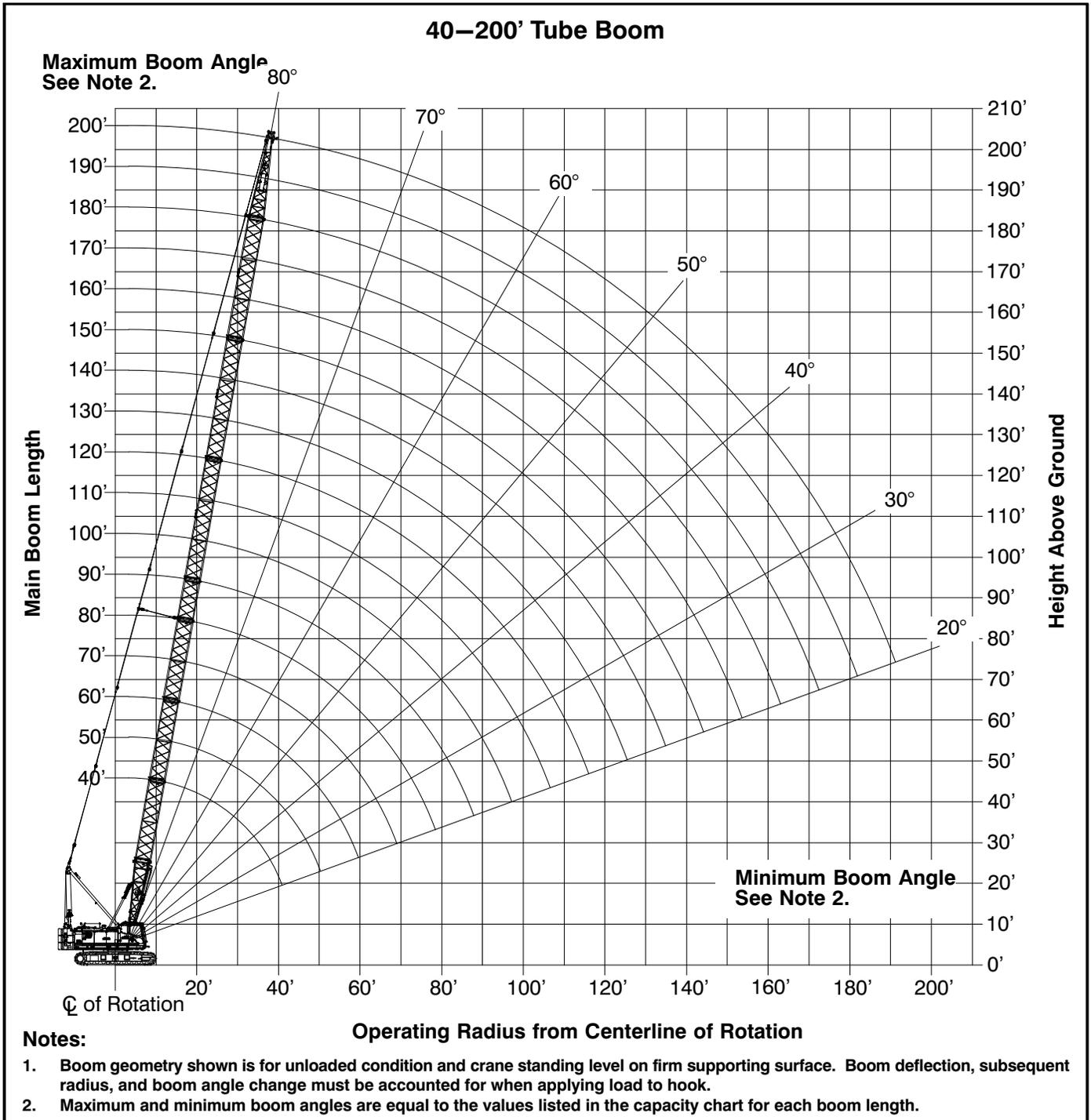


Tube Boom Working Range Diagram



Tube Boom Load Chart

Tube Boom Lift Capacity Chart – 360° Rotation ABC = 52,320 lb (23 732kg) Counterweight – Side Frames Extended [All capacities are listed in kips (mt)]										
Load Radius ft (m)	Boom Length – ft (m)									
	40 (12.2)	50 (15.2)	60 (18.3)	70 (21.3)	80 (24.4)	90 (27.4)	100 (30.5)	110 (33.5)	120 (36.6)	130 (39.6)
11 (3.4)	160.0 (72.6)									
12 (3.7)	160.0 (72.6)	160.0 (72.6)								
13 (4.0)	151.8 (68.9)	151.6 (68.8)								
14 (4.3)	141.6 (64.2)	141.4 (64.1)	141.1 (64.0)							
15 (4.6)	132.6 (60.1)	132.4 (60.1)	132.2 (60.0)							
16 (4.9)	124.7 (56.6)	124.5 (56.5)	124.3 (56.4)	123.9 (56.2)						
17 (5.2)	117.6 (53.3)	117.5 (53.3)	117.3 (53.2)	117.0 (53.1)						
18 (5.5)	111.1 (50.4)	111.2 (50.4)	111.0 (50.3)	110.7 (50.2)	109.0 (49.4)					
19 (5.8)	101.7 (46.1)	101.9 (46.2)	102.0 (46.3)	102.1 (46.3)	102.1 (46.3)	99.3 (45.0)				
20 (6.1)	93.7 (42.5)	93.9 (42.6)	94.0 (42.6)	94.1 (42.7)	94.1 (42.7)	94.0 (42.6)				
25 (7.6)	67.0 (30.4)	67.1 (30.4)	67.2 (30.5)	67.2 (30.5)	67.1 (30.4)	67.1 (30.4)	67.0 (30.4)	66.9 (30.3)	66.8 (30.3)	
30 (9.1)	51.8 (23.5)	51.9 (23.5)	52.0 (23.6)	52.0 (23.6)	51.9 (23.5)	51.8 (23.5)	51.7 (23.5)	51.6 (23.4)	51.5 (23.4)	51.4 (23.3)
35 (10.7)	42.0 (19.1)	42.2 (19.1)	42.2 (19.1)	42.1 (19.1)	42.1 (19.1)	42.0 (19.1)	41.9 (19.0)	41.8 (19.0)	41.6 (18.9)	41.5 (18.8)
40 (12.2)	35.1 (15.9)	35.3 (16.0)	35.3 (16.0)	35.3 (16.0)	35.2 (16.0)	35.1 (15.9)	35.0 (15.9)	34.9 (15.8)	34.7 (15.7)	34.6 (15.7)
50 (15.2)		26.3 (11.9)	26.4 (12.0)	26.4 (12.0)	26.3 (11.9)	26.2 (11.9)	26.0 (11.8)	25.9 (11.7)	25.8 (11.7)	25.6 (11.6)
60 (18.3)				20.8 (9.4)	20.7 (9.4)	20.6 (9.3)	20.4 (9.3)	20.3 (9.2)	20.2 (9.2)	20.0 (9.1)
70 (21.3)					16.9 (7.7)	16.7 (7.6)	16.6 (7.5)	16.5 (7.5)	16.3 (7.4)	16.2 (7.3)
80 (24.4)						14.0 (6.4)	13.8 (6.3)	13.7 (6.2)	13.5 (6.1)	13.4 (6.1)
90 (27.4)							11.7 (5.3)	11.6 (5.3)	11.4 (5.2)	11.3 (5.1)
100 (30.5)								9.9 (4.5)	9.8 (4.4)	9.6 (4.4)
110 (33.5)									8.4 (3.8)	8.3 (3.8)
120 (36.6)										7.1 (3.2)

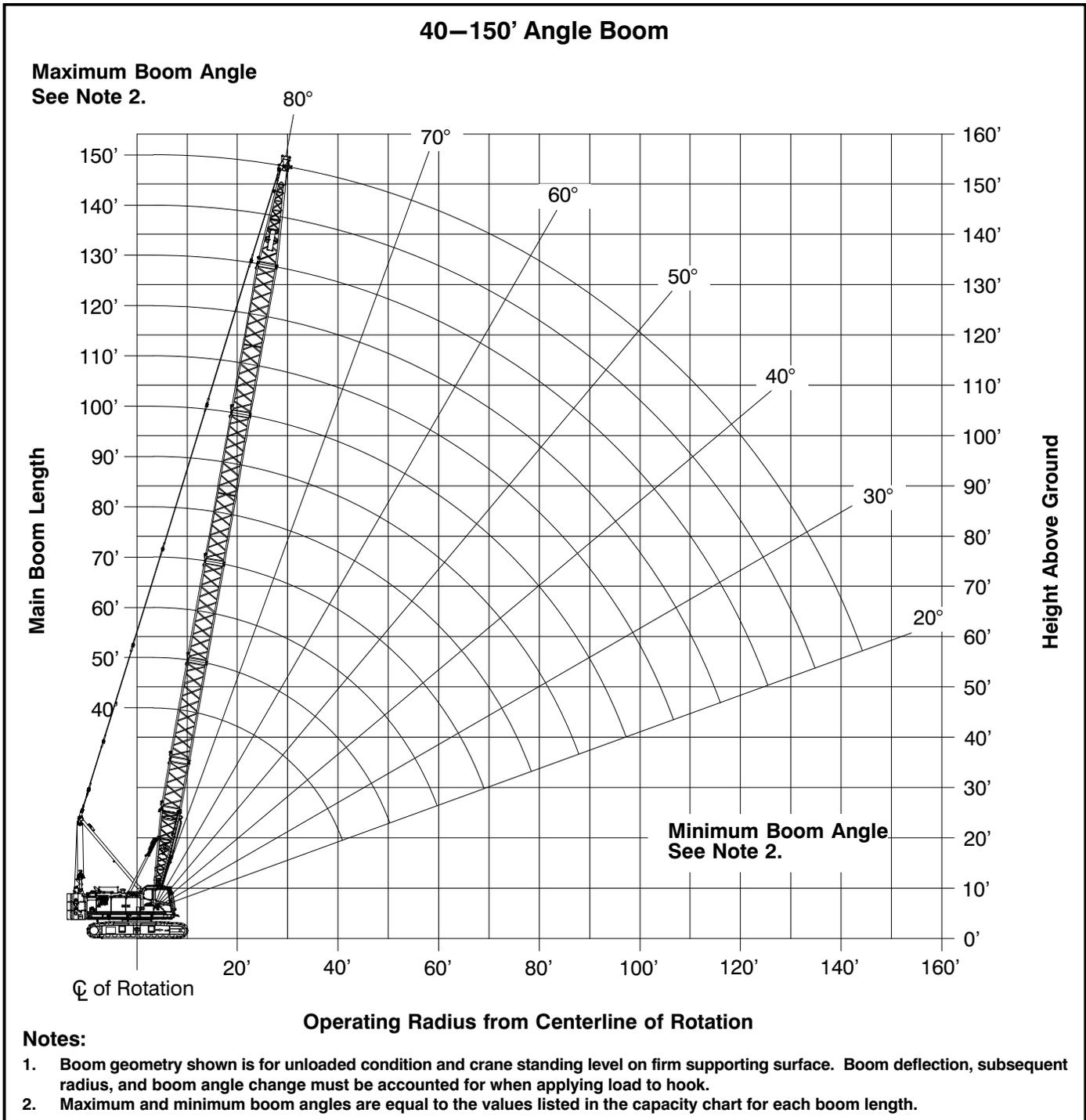
This material is supplied for reference use only. Operator must refer to in-cab Crane Rating Manual and Operator's Manual to determine allowable crane lifting capacities and assembly and operating procedures.

Tube Boom Lift Capacity Chart – 360° Rotation
ABC = 52,320 lb (23 732kg) Counterweight – Side Frames Extended
 [All capacities are listed in kips (mt)]

Load Radius ft (m)	Boom Length – ft (m)						
	140 (42.7)	150 (45.7)	160 (48.8)	170 (51.8)	180 (54.9)	190 (57.9)	200 (61.0)
30 (9.1)	51.3 (23.3)	50.5 (22.9)					
35 (10.7)	41.4 (18.8)	41.2 (18.7)	41.1 (18.6)	37.6 (17.1)	36.6 (16.6)		
40 (12.2)	34.5 (15.6)	34.3 (15.6)	34.2 (15.5)	33.9 (15.4)	33.9 (15.4)	31.1 (14.1)	27.5 (12.5)
50 (15.2)	25.5 (11.6)	25.3 (11.5)	25.2 (11.4)	25.0 (11.3)	24.8 (11.2)	24.6 (11.2)	23.9 (10.8)
60 (18.3)	19.9 (9.0)	19.7 (8.9)	19.5 (8.8)	19.3 (8.8)	19.2 (8.7)	19.0 (8.6)	18.8 (8.5)
70 (21.3)	16.0 (7.3)	15.9 (7.2)	15.7 (7.1)	15.5 (7.0)	15.3 (6.9)	15.2 (6.9)	15.0 (6.8)
80 (24.4)	13.2 (6.0)	13.1 (5.9)	12.9 (5.9)	12.7 (5.8)	12.5 (5.7)	12.4 (5.6)	12.2 (5.5)
90 (27.4)	11.1 (5.0)	10.9 (4.9)	10.8 (4.9)	10.6 (4.8)	10.4 (4.7)	10.2 (4.6)	10.0 (4.5)
100 (30.5)	9.4 (4.3)	9.3 (4.2)	9.1 (4.1)	8.9 (4.0)	8.7 (3.9)	8.6 (3.9)	8.4 (3.8)
110 (33.5)	8.1 (3.7)	7.9 (3.6)	7.7 (3.5)	7.6 (3.4)	7.4 (3.4)	7.2 (3.3)	7.0 (3.2)
120 (36.6)	7.0 (3.2)	6.8 (3.1)	6.6 (3.0)	6.5 (2.9)	6.3 (2.9)	6.1 (2.8)	5.9 (2.7)
130 (39.6)	6.0 (2.7)	5.9 (2.7)	5.7 (2.6)	5.5 (2.5)	5.3 (2.4)	5.2 (2.4)	5.0 (2.3)
140 (42.7)		5.1 (2.3)	4.9 (2.2)	4.7 (2.1)	4.5 (2.0)	4.4 (2.0)	4.2 (1.9)
150 (45.7)			4.2 (1.9)	4.0 (1.8)	3.9 (1.8)	3.7 (1.7)	3.5 (1.6)
160 (48.8)				3.4 (1.5)	3.3 (1.5)	3.1 (1.4)	2.9 (1.3)
170 (51.8)					2.7 (1.2)	2.6 (1.2)	2.4 (1.1)
180 (54.9)						2.1 (1.0)	1.9 (0.9)
190 (57.9)							1.5 (0.7)

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.

Angle Boom Working Range Diagram



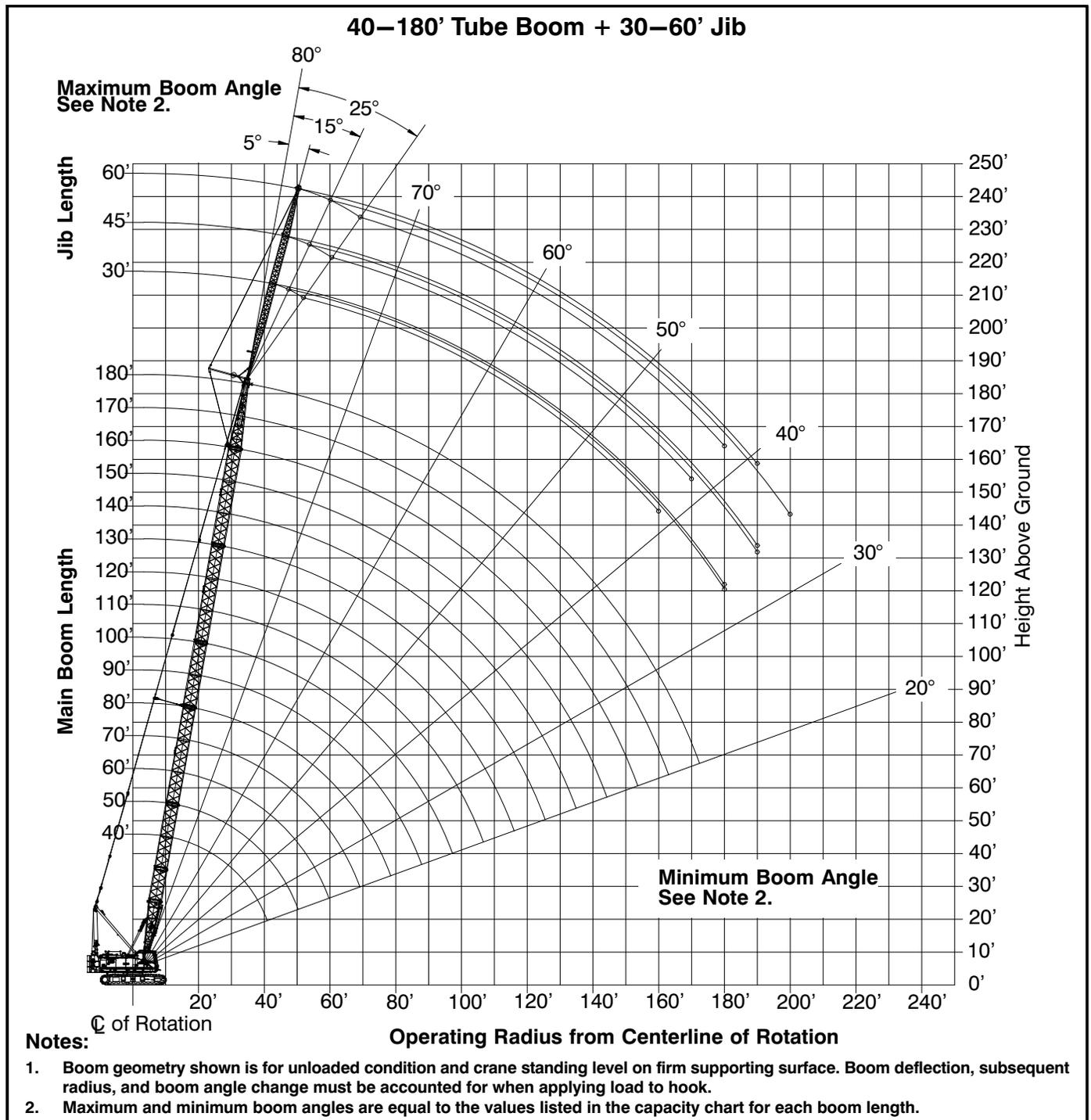
Angle Boom Load Chart

Angle Boom Lift Capacity Chart – 360° Rotation
ABC = 52,320 lb (23 732kg) Counterweight – Side Frames Extended
 [All capacities are listed in kips (m^t)]

Load Radius ft (m)	Boom Length – ft (m)											
	40 (12.2)	50 (15.2)	60 (18.3)	70 (21.3)	80 (24.4)	90 (27.4)	100 (30.5)	110 (33.5)	120 (36.6)	130 (39.6)	140 (42.7)	150 (45.7)
11 (3.4)	160.0 (72.6)											
12 (3.7)	160.0 (72.6)	142.4 (64.6)										
13 (4.0)	151.3 (68.6)	137.9 (62.6)										
14 (4.3)	141.1 (64.0)	132.8 (60.2)	121.7 (55.2)									
15 (4.6)	132.1 (59.9)	129.4 (58.7)	118.6 (53.8)									
16 (4.9)	124.2 (56.3)	123.9 (56.2)	116.4 (52.8)	105.6 (47.9)								
17 (5.2)	117.1 (53.1)	116.9 (53.0)	113.5 (51.5)	103.0 (46.7)								
18 (5.5)	110.7 (50.2)	110.6 (50.2)	109.2 (49.5)	101.0 (45.8)	93.7 (42.5)							
19 (5.8)	101.3 (45.9)	101.4 (46.0)	101.5 (46.0)	98.5 (44.7)	92.0 (41.7)	84.3 (38.2)						
20 (6.1)	93.3 (42.3)	93.4 (42.4)	93.5 (42.4)	93.4 (42.4)	88.5 (40.1)	82.7 (37.5)						
25 (7.6)	66.5 (30.2)	66.6 (30.2)	66.6 (30.2)	66.6 (30.2)	66.5 (30.2)	66.3 (30.1)	66.2 (30.0)	65.3 (29.6)	61.1 (27.7)			
30 (9.1)	51.3 (23.3)	51.4 (23.3)	51.4 (23.3)	51.3 (23.3)	51.2 (23.2)	51.0 (23.1)	50.9 (23.1)	50.7 (23.0)	50.5 (22.9)	50.3 (22.8)	49.3 (22.4)	44.6 (20.2)
35 (10.7)	41.6 (18.9)	41.6 (18.9)	41.6 (18.9)	41.5 (18.8)	41.3 (18.7)	41.2 (18.7)	41.0 (18.6)	40.8 (18.5)	40.6 (18.4)	40.4 (18.3)	40.2 (18.2)	39.9 (18.1)
40 (12.2)	34.7 (15.7)	34.8 (15.8)	34.7 (15.7)	34.6 (15.7)	34.5 (15.6)	34.3 (15.6)	34.1 (15.5)	33.9 (15.4)	33.7 (15.3)	33.5 (15.2)	33.3 (15.1)	33.1 (15.0)
50 (15.2)		25.8 (11.7)	25.8 (11.7)	25.7 (11.7)	25.5 (11.6)	25.3 (11.5)	25.1 (11.4)	24.9 (11.3)	24.7 (11.2)	24.5 (11.1)	24.3 (11.0)	24.0 (10.9)
60 (18.3)			20.3 (9.2)	20.1 (9.1)	19.9 (9.0)	19.7 (8.9)	19.5 (8.8)	19.3 (8.8)	19.1 (8.7)	18.9 (8.6)	18.6 (8.4)	18.4 (8.3)
70 (21.3)				16.5 (7.5)	16.1 (7.3)	15.9 (7.2)	15.7 (7.1)	15.5 (7.0)	15.3 (6.9)	15.0 (6.8)	14.8 (6.7)	14.5 (6.6)
80 (24.4)						13.1 (5.9)	12.9 (5.9)	12.7 (5.8)	12.5 (5.7)	12.2 (5.5)	12.0 (5.4)	11.7 (5.3)
90 (27.4)							10.8 (4.9)	10.6 (4.8)	10.3 (4.7)	10.1 (4.6)	9.9 (4.5)	9.6 (4.4)
100 (30.5)								8.9 (4.0)	8.7 (3.9)	8.4 (3.8)	8.2 (3.7)	7.9 (3.6)
110 (33.5)									7.3 (3.3)	7.1 (3.2)	6.8 (3.1)	6.6 (3.0)
120 (36.6)										6.0 (2.7)	5.7 (2.6)	5.5 (2.5)
130 (39.6)											4.8 (2.2)	4.5 (2.0)
140 (42.7)												3.7 (1.7)

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.

Tube Boom + Jib Working Range Diagram



Tube Boom + Jib Load Charts

Tube Boom + 30 ft (9.14m) Offset Jib Length – 360° Rotation ABC [52,320 lb (23,732kg)] Counterweight [All capacities are listed in kips (mt)]																	
5° Offset						15° Offset						25° Offset					
Load Radius ft (m)	Main Boom Length ft (m)					Load Radius ft (m)	Main Boom Length ft (m)					Load Radius ft (m)	Main Boom Length ft (m)				
	40 (12.2)	80 (24.3)	100 (30.5)	140 (42.7)	180 (54.9)		40 (12.2)	80 (24.3)	100 (30.5)	140 (42.7)	180 (54.9)		40 (12.2)	80 (24.3)	100 (30.5)	140 (42.7)	180 (54.9)
20 (6.1)	24.0 (10.9)					20 (6.1)						20 (6.1)					
25 (7.6)	24.0 (10.9)					25 (7.6)	24.0 (10.9)					25 (7.6)					
30 (9.1)	24.0 (10.9)	24.0 (10.9)	24.0 (10.9)			30 (9.1)	24.0 (10.9)					30 (9.1)	19.8 (9.0)				
35 (10.7)	24.0 (10.9)	24.0 (10.9)	24.0 (10.9)			35 (10.7)	23.8 (10.8)	24.0 (10.9)	24.0 (10.9)			35 (10.7)	17.8 (8.1)	20.6 (9.3)			
40 (12.2)	24.0 (10.9)	24.0 (10.9)	24.0 (10.9)	24.0 (10.9)		40 (12.2)	21.2 (9.6)	24.0 (10.9)	24.0 (10.9)			40 (12.2)	17.0 (7.7)	19.2 (8.7)	20.2 (9.2)		
50 (15.2)	21.1 (9.6)	24.0 (10.9)	24.0 (10.9)	24.0 (10.9)	18.1 (8.2)	50 (15.2)	17.4 (7.9)	23.2 (10.5)	24.0 (10.9)	24.0 (10.9)	17.1 (7.8)	50 (15.2)	14.8 (6.7)	17.3 (7.8)	18.0 (8.2)	19.6 (8.9)	
60 (18.3)	17.4 (7.9)	20.7 (9.4)	20.4 (9.3)	19.7 (8.9)	17.4 (7.9)	60 (18.9)	16.3 (7.4)	21.0 (9.5)	20.7 (9.4)	20.0 (9.1)	16.3 (7.4)	60 (18.9)	13.3 (6.0)	16.1 (7.3)	17.1 (7.8)	18.0 (8.2)	14.6 (6.6)
70 (21.3)		16.9 (7.7)	16.5 (7.5)	15.8 (7.2)	15.1 (6.8)	70 (21.3)		17.1 (7.8)	16.8 (7.6)	16.1 (7.3)	15.4 (7.0)	70 (21.3)		14.8 (6.7)	15.8 (7.2)	16.4 (7.4)	14.0 (6.4)
80 (24.4)		14.1 (6.4)	13.7 (6.2)	13.0 (5.9)	12.3 (5.6)	80 (24.8)		14.2 (6.4)	13.9 (6.3)	13.2 (6.0)	12.6 (5.7)	80 (24.8)		13.8 (6.3)	14.1 (6.4)	13.5 (6.1)	12.8 (5.8)
90 (27.4)		12.0 (5.4)	11.6 (5.3)	10.9 (4.9)	10.1 (4.6)	90 (27.4)		12.1 (5.5)	11.8 (5.4)	11.1 (5.0)	10.4 (4.7)	90 (27.4)			11.9 (5.4)	11.2 (5.1)	10.6 (4.8)
100 (30.5)		10.3 (4.7)	10.0 (4.5)	9.2 (4.2)	8.4 (3.8)	100 (30.5)		10.4 (4.7)	10.1 (4.6)	9.4 (4.3)	8.6 (3.9)	100 (30.5)			10.1 (4.6)	9.5 (4.3)	8.8 (4.0)
110 (33.5)			8.6 (3.9)	7.8 (3.5)	7.1 (3.2)	110 (33.5)			8.7 (3.9)	8.0 (3.6)	7.3 (3.3)	110 (33.5)				8.1 (3.7)	7.4 (3.4)
120 (36.6)			7.5 (3.4)	6.7 (3.0)	5.9 (2.7)	120 (36.6)				6.8 (3.1)	6.1 (2.8)	120 (36.6)				6.9 (3.1)	6.3 (2.9)
130 (39.6)				5.8 (2.6)	5.0 (2.3)	130 (39.6)				5.9 (2.7)	5.2 (2.4)	130 (39.6)				6.0 (2.7)	5.3 (2.4)
140 (42.7)				5.0 (2.3)	4.2 (1.9)	140 (42.7)				5.1 (2.3)	4.3 (2.0)	140 (42.7)					4.4 (2.0)
150 (45.7)				4.3 (2.0)	3.5 (1.6)	150 (45.7)				4.4 (2.0)	3.6 (1.6)	150 (45.7)					3.7 (1.7)
160 (48.8)				3.7 (1.7)	2.9 (1.3)	160 (48.8)					3.0 (1.4)	160 (48.8)					3.1 (1.4)
170 (51.8)					2.4 (1.1)	170 (51.8)					2.5 (1.1)	170 (51.8)					
180 (54.9)					2.0 (0.9)	180 (54.9)					2.0 (0.9)	180 (54.9)					
190 (57.9)						190 (57.9)						190 (57.9)					

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.

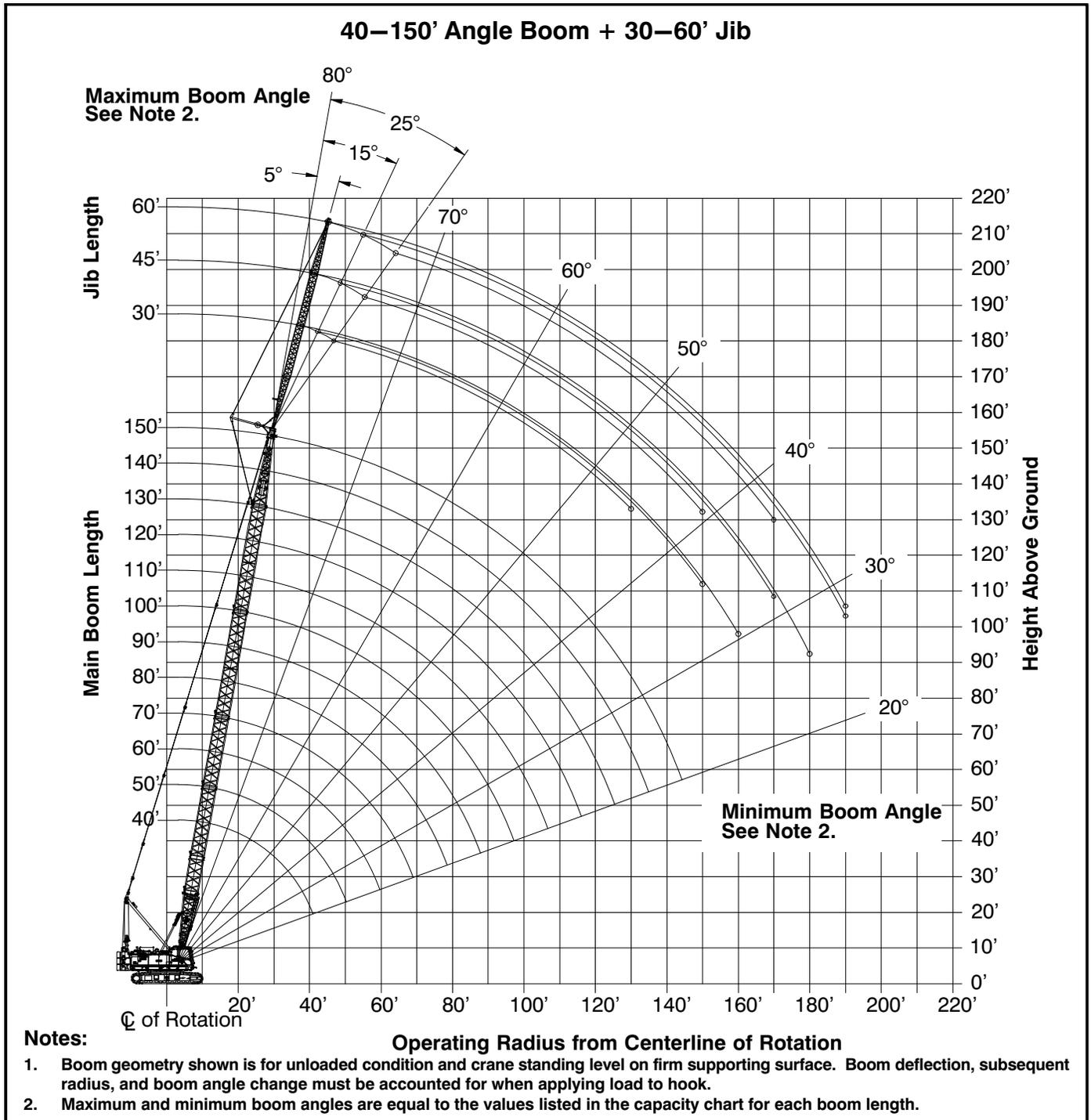
Tube Boom + 45 ft (13.7m) Offset Jib Length – 360° Rotation ABC [52,320 lb (23,732kg)] Counterweight [All capacities are listed in kips (mt)]																	
5° Offset						15° Offset						25° Offset					
Load Radius ft (m)	Main Boom Length ft (m)					Load Radius ft (m)	Main Boom Length ft (m)					Load Radius ft (m)	Main Boom Length ft (m)				
	40 (12.2)	80 (24.3)	100 (30.5)	140 (42.7)	180 (54.9)		40 (12.2)	80 (24.3)	100 (30.5)	140 (42.7)	180 (54.9)		40 (12.2)	80 (24.3)	100 (30.5)	140 (42.7)	180 (54.9)
25 (7.6)	24.0 (10.9)					25 (7.6)						25 (7.6)					
30 (9.1)	24.0 (10.9)	24.0 (10.9)				30 (9.1)	19.2 (8.7)					30 (9.1)					
35 (10.7)	21.8 (9.9)	24.0 (10.9)	24.0 (10.9)			35 (10.7)	17.3 (7.8)					35 (10.7)					
40 (12.2)	19.1 (8.7)	24.0 (10.9)	24.0 (10.9)	24.0 (10.9)		40 (12.2)	16.7 (7.6)	18.2 (8.3)				40 (12.2)	12.6 (5.7)				
50 (15.2)	16.7 (7.6)	20.8 (9.4)	22.9 (10.4)	22.2 (10.1)	15.9 (7.2)	50 (15.2)	13.6 (6.2)	17.2 (7.8)	17.3 (7.8)	18.4 (8.3)		50 (15.2)	10.6 (4.8)	12.3 (5.6)	12.9 (5.9)		
60 (18.3)	13.7 (6.2)	17.5 (7.9)	19.7 (8.9)	19.4 (8.8)	15.3 (6.9)	60 (18.9)	11.5 (5.2)	14.8 (6.7)	16.2 (7.3)	17.2 (7.8)	13.8 (6.3)	60 (18.9)	9.2 (4.2)	11.0 (5.0)	11.6 (5.3)	12.6 (5.7)	
70 (21.3)	11.7 (5.3)	16.6 (7.5)	16.7 (7.6)	16.0 (7.3)	14.6 (6.6)	70 (21.3)	10.0 (4.5)	13.1 (5.9)	14.3 (6.5)	15.8 (7.2)	13.3 (6.0)	70 (21.3)	8.2 (3.7)	9.9 (4.5)	10.6 (4.8)	11.6 (5.3)	11.3 (5.1)
80 (24.4)	10.2 (4.6)	14.2 (6.4)	13.9 (6.3)	13.1 (5.9)	12.4 (5.6)	80 (24.8)		11.7 (5.3)	12.9 (5.9)	13.5 (6.1)	12.7 (5.8)	80 (24.8)		9.1 (4.1)	9.8 (4.4)	10.8 (4.9)	10.8 (4.9)
90 (27.4)		12.1 (5.5)	11.7 (5.3)	11.0 (5.0)	10.2 (4.6)	90 (27.4)		10.6 (4.8)	11.7 (5.3)	11.3 (5.1)	10.6 (4.8)	90 (27.4)		8.5 (3.9)	9.1 (4.1)	10.1 (4.6)	10.5 (4.8)
100 (30.5)		10.5 (4.8)	10.1 (4.6)	9.3 (4.2)	8.5 (3.9)	100 (30.5)		9.8 (4.4)	10.2 (4.6)	9.6 (4.4)	8.9 (4.0)	100 (30.5)		7.9 (3.6)	8.5 (3.9)	9.5 (4.3)	9.2 (4.2)
110 (33.5)		9.1 (4.1)	8.7 (3.9)	7.9 (3.6)	7.2 (3.3)	110 (33.5)		9.1 (4.1)	8.9 (4.0)	8.2 (3.7)	7.5 (3.4)	110 (33.5)			8.1 (3.7)	8.4 (3.8)	7.7 (3.5)
120 (36.6)		8.0 (3.6)	7.6 (3.4)	6.8 (3.1)	6.0 (2.7)	120 (36.6)			7.7 (3.5)	7.0 (3.2)	6.3 (2.9)	120 (36.6)				7.2 (3.3)	6.5 (2.9)
130 (39.6)			6.7 (3.0)	5.9 (2.7)	5.1 (2.3)	130 (39.6)			6.8 (3.1)	6.1 (2.8)	5.3 (2.4)	130 (39.6)				6.2 (2.8)	5.5 (2.5)
140 (42.7)				5.1 (2.3)	4.3 (2.0)	140 (42.7)				5.2 (2.4)	4.5 (2.0)	140 (42.7)				5.3 (2.4)	4.7 (2.1)
150 (45.7)				4.4 (2.0)	3.6 (1.6)	150 (45.7)				4.5 (2.0)	3.8 (1.7)	150 (45.7)				4.6 (2.1)	3.9 (1.8)
160 (48.8)				3.8 (1.7)	3.0 (1.4)	160 (48.8)				3.9 (1.8)	3.2 (1.5)	160 (48.8)					3.3 (1.5)
170 (51.8)				3.3 (1.5)	2.5 (1.1)	170 (51.8)					2.6 (1.2)	170 (51.8)					2.7 (1.2)
180 (54.9)					2.0 (0.9)	180 (54.9)					2.2 (1.0)	180 (54.9)					
190 (57.9)					1.6 (0.7)	190 (57.9)					1.7 (0.8)	190 (57.9)					

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.

Tube Boom + 60 ft (18.3m) Offset Jib Length – 360° Rotation ABC [52,320 lb (23,732kg)] Counterweight [All capacities are listed in kips (mt)]																	
5° Offset						15° Offset						25° Offset					
Load Radius ft (m)	Main Boom Length ft (m)					Load Radius ft (m)	Main Boom Length ft (m)					Load Radius ft (m)	Main Boom Length ft (m)				
	40 (12.2)	80 (24.3)	100 (30.5)	140 (42.7)	180 (54.9)		40 (12.2)	80 (24.3)	100 (30.5)	140 (42.7)	180 (54.9)		40 (12.2)	80 (24.3)	100 (30.5)	140 (42.7)	180 (54.9)
30 (9.1)	21.2 (9.6)					30 (9.1)						30 (9.1)					
35 (10.7)	18.3 (8.3)	23.0 (10.4)				35 (10.7)						35 (10.7)					
40 (12.2)	17.3 (7.8)	20.4 (9.3)	22.3 (10.1)			40 (12.2)	13.8 (6.3)					40 (12.2)					
50 (15.2)	13.8 (6.3)	17.3 (7.8)	18.3 (8.3)	19.0 (8.6)		50 (15.2)	11.2 (5.1)	13.4 (6.1)	14.3 (6.5)			50 (15.2)	8.6 (3.9)				
60 (18.3)	11.3 (5.1)	15.3 (6.9)	17.1 (7.8)	17.2 (7.8)	13.4 (6.1)	60 (18.9)	9.4 (4.3)	11.6 (5.3)	12.4 (5.6)	13.9 (6.3)		60 (18.9)	7.4 (3.4)	8.4 (3.8)	8.8 (4.0)		
70 (21.3)	9.6 (4.4)	13.0 (5.9)	14.7 (6.7)	15.2 (6.9)	12.9 (5.9)	70 (21.3)	8.1 (3.7)	10.1 (4.6)	11.0 (5.0)	12.4 (5.6)	11.2 (5.1)	70 (21.3)	6.5 (2.9)	7.6 (3.4)	8.0 (3.6)	8.6 (3.9)	8.9 (4.0)
80 (24.4)	8.3 (3.8)	11.3 (5.1)	12.8 (5.8)	13.2 (6.0)	12.3 (5.6)	80 (24.8)	7.1 (3.2)	9.0 (4.1)	9.8 (4.4)	11.2 (5.1)	10.8 (4.9)	80 (24.8)	5.8 (2.6)	6.9 (3.1)	7.3 (3.3)	8.0 (3.6)	8.5 (3.9)
90 (27.4)	7.3 (3.3)	10.0 (4.5)	11.3 (5.1)	11.1 (5.0)	10.3 (4.7)	90 (27.4)	6.4 (2.9)	8.1 (3.7)	8.9 (4.0)	10.3 (4.7)	10.2 (4.6)	90 (27.4)		6.3 (2.9)	6.7 (3.0)	7.4 (3.4)	7.9 (3.6)
100 (30.5)		9.0 (4.1)	10.1 (4.6)	9.4 (4.3)	8.6 (3.9)	100 (30.5)		7.4 (3.4)	8.1 (3.7)	9.4 (4.3)	9.0 (4.1)	100 (30.5)		5.9 (2.7)	6.3 (2.9)	6.9 (3.1)	7.5 (3.4)
110 (33.5)		8.1 (3.7)	8.8 (4.0)	8.0 (3.6)	7.2 (3.3)	110 (33.5)		6.8 (3.1)	7.5 (3.4)	8.3 (3.8)	7.6 (3.4)	110 (33.5)		5.5 (2.5)	5.9 (2.7)	6.5 (2.9)	7.1 (3.2)
120 (36.6)		7.4 (3.4)	7.7 (3.5)	6.9 (3.1)	6.1 (2.8)	120 (36.6)		6.3 (2.9)	7.0 (3.2)	7.1 (3.2)	6.4 (2.9)	120 (36.6)			5.6 (2.5)	6.2 (2.8)	6.7 (3.0)
130 (39.6)		6.9 (3.1)	6.7 (3.0)	6.0 (2.7)	5.2 (2.4)	130 (39.6)			6.5 (2.9)	6.2 (2.8)	5.5 (2.5)	130 (39.6)			5.3 (2.4)	5.7 (2.6)	5.7 (2.6)
140 (42.7)			6.0 (2.7)	5.2 (2.4)	4.4 (2.0)	140 (42.7)			6.1 (2.8)	5.3 (2.4)	4.6 (2.1)	140 (42.7)				5.5 (2.5)	4.9 (2.2)
150 (45.7)			5.3 (2.4)	4.5 (2.0)	3.7 (1.7)	150 (45.7)				4.6 (2.1)	3.9 (1.8)	150 (45.7)				4.8 (2.2)	4.1 (1.9)
160 (48.8)				3.9 (1.8)	3.1 (1.4)	160 (48.8)				4.0 (1.8)	3.3 (1.5)	160 (48.8)				4.1 (1.9)	3.5 (1.6)
170 (51.8)				3.4 (1.5)	2.6 (1.2)	170 (51.8)				3.5 (1.6)	2.7 (1.2)	170 (51.8)					2.9 (1.3)
180 (54.9)				2.9 (1.3)	2.1 (1.0)	180 (54.9)				3.0 (1.4)	2.2 (1.0)	180 (54.9)					2.4 (1.1)
190 (57.9)					1.7 (0.8)	190 (57.9)					1.8 (0.8)	190 (57.9)					

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Angle Boom + Jib Working Range Diagram



Angle Boom + Jib Load Charts

Angle Boom + 30 ft (9.14m) Offset Jib Length – 360° Rotation ABC [52,319 lb (23,732kg)] Counterweight [All capacities are listed in kips (mt)]																	
5° Offset						15° Offset						25° Offset					
Load Radius ft (m)	Main Boom Length ft (m)					Load Radius ft (m)	Main Boom Length ft (m)					Load Radius ft (m)	Main Boom Length ft (m)				
	40 (12.2)	80 (24.3)	100 (30.5)	120 (36.6)	150 (45.7)		40 (12.2)	80 (24.3)	100 (30.5)	120 (36.6)	150 (45.7)		40 (12.2)	80 (24.3)	100 (30.5)	120 (36.6)	150 (45.7)
20 (6.1)	24.0 (10.9)					20 (6.1)					20 (6.1)						
25 (7.6)	24.0 (10.9)					25 (7.6)	24.0 (10.9)				25 (7.6)						
30 (9.1)	24.0 (10.9)	24.0 (10.9)	24.0 (10.9)			30 (9.1)	24.0 (10.9)				30 (9.1)	19.7 (8.9)					
35 (10.7)	24.0 (10.9)	24.0 (10.9)	24.0 (10.9)	24.0 (10.9)		35 (10.7)	23.6 (10.7)	24.0 (10.9)	24.0 (10.9)		35 (10.7)	17.7 (8.0)	20.6 (9.3)				
40 (12.2)	24.0 (10.9)	24.0 (10.9)	24.0 (10.9)	24.0 (10.9)	24.0 (10.9)	40 (12.2)	21.0 (9.5)	24.0 (10.9)	24.0 (10.9)	24.0 (10.9)	40 (12.2)	16.9 (7.7)	19.1 (8.7)	20.1 (9.1)			
50 (15.2)	20.9 (9.5)	24.0 (10.9)	24.0 (10.9)	24.0 (10.9)	23.9 (10.8)	50 (15.2)	17.3 (7.8)	23.1 (10.5)	23.8 (10.8)	23.7 (10.8)	23.0 (10.4)	50 (15.2)	14.7 (6.7)	17.3 (7.8)	17.9 (8.1)	18.8 (8.5)	19.8 (9.0)
60 (18.3)	17.3 (7.8)	20.2 (9.2)	19.7 (8.9)	19.2 (8.7)	18.4 (8.3)	60 (18.9)	16.2 (7.3)	20.0 (9.1)	20.0 (9.1)	19.6 (8.9)	18.9 (8.6)	60 (18.9)	13.2 (6.0)	16.0 (7.3)	17.0 (7.7)	17.1 (7.8)	18.0 (8.2)
70 (21.3)		16.4 (7.4)	15.8 (7.2)	15.3 (6.9)	14.5 (6.6)	70 (21.3)		16.6 (7.5)	16.1 (7.3)	15.6 (7.1)	14.9 (6.8)	70 (21.3)		14.7 (6.7)	15.8 (7.2)	15.9 (7.2)	15.2 (6.9)
80 (24.4)		13.6 (6.2)	13.0 (5.9)	12.5 (5.7)	11.6 (5.3)	80 (24.8)		13.7 (6.2)	13.2 (6.0)	12.7 (5.8)	12.0 (5.4)	80 (24.8)		13.7 (6.2)	13.4 (6.1)	13.0 (5.9)	12.3 (5.6)
90 (27.4)		11.4 (5.2)	10.9 (4.9)	10.3 (4.7)	9.5 (4.3)	90 (27.4)		11.5 (5.2)	11.1 (5.0)	10.6 (4.8)	9.8 (4.4)	90 (27.4)			11.2 (5.1)	10.7 (4.9)	10.0 (4.5)
100 (30.5)		9.8 (4.4)	9.2 (4.2)	8.7 (3.9)	7.8 (3.5)	100 (30.5)			9.3 (4.2)	8.8 (4.0)	8.0 (3.6)	100 (30.5)			9.5 (4.3)	9.0 (4.1)	8.3 (3.8)
110 (33.5)			7.9 (3.6)	7.3 (3.3)	6.4 (2.9)	110 (33.5)			8.0 (3.6)	7.4 (3.4)	6.6 (3.0)	110 (33.5)				7.6 (3.4)	6.8 (3.1)
120 (36.6)			6.7 (3.0)	6.2 (2.8)	5.3 (2.4)	120 (36.6)				6.3 (2.9)	5.5 (2.5)	120 (36.6)					5.6 (2.5)
130 (39.6)				5.2 (2.4)	4.4 (2.0)	130 (39.6)				5.3 (2.4)	4.5 (2.0)	130 (39.6)					4.6 (2.1)
140 (42.7)				4.1 (1.9)	3.6 (1.6)	140 (42.7)					3.7 (1.7)	140 (42.7)					
150 (45.7)					2.9 (1.3)	150 (45.7)					3.0 (1.4)	150 (45.7)					
160 (48.8)					1.9 (0.9)	160 (48.8)						160 (48.8)					

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Angle Boom + 45 ft (13.7m) Offset Jib Length – 360° Rotation ABC [52,319 lb (23,732kg)] Counterweight [All capacities are listed in kips (mt)]																	
5° Offset						15° Offset						25° Offset					
Load Radius ft (m)	Main Boom Length ft (m)					Load Radius ft (m)	Main Boom Length ft (m)					Load Radius ft (m)	Main Boom Length ft (m)				
	40 (12.2)	80 (24.3)	100 (30.5)	120 (36.6)	150 (45.7)		40 (12.2)	80 (24.3)	100 (30.5)	120 (36.6)	150 (45.7)		40 (12.2)	80 (24.3)	100 (30.5)	120 (36.6)	150 (45.7)
25 (7.6)	24.0 (10.9)					25 (7.6)						25 (7.6)					
30 (9.1)	24.0 (10.9)	24.0 (10.9)				30 (9.1)	19.2 (8.7)					30 (9.1)					
35 (10.7)	21.7 (9.8)	24.0 (10.9)	24.0 (10.9)			35 (10.7)	17.3 (7.8)					35 (10.7)					
40 (12.2)	19.0 (8.6)	24.0 (10.9)	24.0 (10.9)	24.0 (10.9)		40 (12.2)	16.6 (7.5)	18.1 (8.2)				40 (12.2)	12.5 (5.7)				
50 (15.2)	16.6 (7.5)	20.7 (9.4)	21.1 (9.6)	21.1 (9.6)	21.7 (9.8)	50 (15.2)	13.5 (6.1)	17.1 (7.8)	17.3 (7.8)	17.5 (7.9)	18.3 (8.3)	50 (15.2)	10.5 (4.8)	12.2 (5.5)	12.8 (5.8)		
60 (18.3)	13.7 (6.2)	17.4 (7.9)	18.3 (8.3)	18.5 (8.4)	18.7 (8.5)	60 (18.9)	11.4 (5.2)	14.7 (6.7)	16.1 (7.3)	16.7 (7.6)	17.1 (7.8)	60 (18.9)	9.2 (4.2)	10.9 (4.9)	11.6 (5.3)	12.1 (5.5)	12.7 (5.8)
70 (21.3)	11.6 (5.3)	16.5 (7.5)	16.1 (7.3)	15.5 (7.0)	14.7 (6.7)	70 (21.3)	10.0 (4.5)	13.0 (5.9)	14.3 (6.5)	15.1 (6.8)	15.3 (6.9)	70 (21.3)	8.2 (3.7)	9.9 (4.5)	10.5 (4.8)	11.1 (5.0)	11.8 (5.4)
80 (24.4)	10.1 (4.6)	13.8 (6.3)	13.2 (6.0)	12.7 (5.8)	11.9 (5.4)	80 (24.8)		11.6 (5.3)	12.8 (5.8)	13.1 (5.9)	12.4 (5.6)	80 (24.8)		9.1 (4.1)	9.7 (4.4)	10.3 (4.7)	11.0 (5.0)
90 (27.4)		11.6 (5.3)	11.1 (5.0)	10.6 (4.8)	9.7 (4.4)	90 (27.4)		10.6 (4.8)	11.4 (5.2)	10.9 (4.9)	10.1 (4.6)	90 (27.4)		8.4 (3.8)	9.0 (4.1)	9.6 (4.4)	10.3 (4.7)
100 (30.5)		10.0 (4.5)	9.4 (4.3)	8.9 (4.0)	8.0 (3.6)	100 (30.5)		9.7 (4.4)	9.6 (4.4)	9.1 (4.1)	8.4 (3.8)	100 (30.5)		7.9 (3.6)	8.5 (3.9)	9.0 (4.1)	8.7 (3.9)
110 (33.5)		8.6 (3.9)	8.1 (3.7)	7.5 (3.4)	6.7 (3.0)	110 (33.5)		8.7 (3.9)	8.2 (3.7)	7.7 (3.5)	7.0 (3.2)	110 (33.5)			8.0 (3.6)	7.9 (3.6)	7.2 (3.3)
120 (36.6)			7.0 (3.2)	6.4 (2.9)	5.5 (2.5)	120 (36.6)			7.1 (3.2)	6.6 (3.0)	5.8 (2.6)	120 (36.6)				6.7 (3.0)	6.0 (2.7)
130 (39.6)			6.0 (2.7)	5.5 (2.5)	4.6 (2.1)	130 (39.6)				5.6 (2.5)	4.8 (2.2)	130 (39.6)					5.0 (2.3)
140 (42.7)				4.7 (2.1)	3.8 (1.7)	140 (42.7)				4.8 (2.2)	4.0 (1.8)	140 (42.7)					4.2 (1.9)
150 (45.7)				3.9 (1.8)	3.1 (1.4)	150 (45.7)					3.3 (1.5)	150 (45.7)					3.4 (1.5)
160 (48.8)					2.5 (1.1)	160 (48.8)					2.6 (1.2)	160 (48.8)					
170 (51.8)					2.0 (0.9)	170 (51.8)						170 (51.8)					

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Angle Boom + 60 ft (18.3m) Offset Jib Length – 360° Rotation ABC [52,319 lb (23,732kg)] Counterweight [All capacities are listed in kips (mt)]																	
5° Offset						15° Offset						25° Offset					
Load Radius ft (m)	Main Boom Length ft (m)					Load Radius ft (m)	Main Boom Length ft (m)					Load Radius ft (m)	Main Boom Length ft (m)				
	40 (12.2)	80 (24.3)	100 (30.5)	120 (36.6)	150 (45.7)		40 (12.2)	80 (24.3)	100 (30.5)	120 (36.6)	150 (45.7)		40 (12.2)	80 (24.3)	100 (30.5)	120 (36.6)	150 (45.7)
30 (9.1)	21.2 (9.6)					30 (9.1)						30 (9.1)					
35 (10.7)	18.2 (8.3)	22.8 (10.3)				35 (10.7)						35 (10.7)					
40 (12.2)	17.3 (7.8)	20.3 (9.2)	20.7 (9.4)	20.6 (9.3)		40 (12.2)	13.7 (6.2)					40 (12.2)					
50 (15.2)	13.7 (6.2)	17.3 (7.8)	17.8 (8.1)	17.7 (8.0)	18.2 (8.3)	50 (15.2)	11.1 (5.0)	13.4 (6.1)	14.2 (6.4)	15.0 (6.8)		50 (15.2)	8.5 (3.9)				
60 (18.3)	11.3 (5.1)	15.2 (6.9)	16.1 (7.3)	16.2 (7.3)	16.8 (7.6)	60 (18.9)	9.3 (4.2)	11.5 (5.2)	12.4 (5.6)	13.1 (5.9)	14.1 (6.4)	60 (18.9)	7.3 (3.3)	8.4 (3.8)	8.8 (4.0)	9.1 (4.1)	
70 (21.3)	9.5 (4.3)	13.0 (5.9)	14.2 (6.4)	14.4 (6.5)	14.9 (6.8)	70 (21.3)	8.0 (3.6)	10.1 (4.6)	10.9 (4.9)	11.7 (5.3)	12.7 (5.8)	70 (21.3)	6.4 (2.9)	7.5 (3.4)	7.9 (3.6)	8.3 (3.8)	8.7 (3.9)
80 (24.4)	8.2 (3.7)	11.3 (5.1)	12.7 (5.8)	12.9 (5.9)	12.1 (5.5)	80 (24.8)	7.1 (3.2)	9.0 (4.1)	9.8 (4.4)	10.5 (4.8)	11.5 (5.2)	80 (24.8)	5.8 (2.6)	6.8 (3.1)	7.3 (3.3)	7.6 (3.4)	8.1 (3.7)
90 (27.4)	7.3 (3.3)	10.0 (4.5)	11.3 (5.1)	10.7 (4.9)	9.9 (4.5)	90 (27.4)	6.3 (2.9)	8.1 (3.7)	8.9 (4.0)	9.6 (4.4)	10.4 (4.7)	90 (27.4)		6.3 (2.9)	6.7 (3.0)	7.1 (3.2)	7.5 (3.4)
100 (30.5)		8.9 (4.0)	9.6 (4.4)	9.0 (4.1)	8.2 (3.7)	100 (30.5)		7.4 (3.4)	8.1 (3.7)	8.8 (4.0)	8.7 (3.9)	100 (30.5)		5.8 (2.6)	6.2 (2.8)	6.6 (3.0)	7.1 (3.2)
110 (33.5)		8.1 (3.7)	8.2 (3.7)	7.7 (3.5)	6.8 (3.1)	110 (33.5)		6.8 (3.1)	7.5 (3.4)	8.0 (3.6)	7.2 (3.3)	110 (33.5)		5.5 (2.5)	5.8 (2.6)	6.2 (2.8)	6.7 (3.0)
120 (36.6)		7.4 (3.4)	7.1 (3.2)	6.5 (2.9)	5.7 (2.6)	120 (36.6)		6.3 (2.9)	6.9 (3.1)	6.8 (3.1)	6.0 (2.7)	120 (36.6)			5.5 (2.5)	5.9 (2.7)	6.3 (2.9)
130 (39.6)		6.7 (3.0)	6.1 (2.8)	5.6 (2.5)	4.7 (2.1)	130 (39.6)			6.3 (2.9)	5.8 (2.6)	5.1 (2.3)	130 (39.6)			5.3 (2.4)	5.6 (2.5)	5.3 (2.4)
140 (42.7)			5.3 (2.4)	4.8 (2.2)	3.9 (1.8)	140 (42.7)			5.5 (2.5)	5.0 (2.3)	4.2 (1.9)	140 (42.7)				5.1 (2.3)	4.5 (2.0)
150 (45.7)			4.4 (2.0)	4.1 (1.9)	3.2 (1.5)	150 (45.7)				4.3 (2.0)	3.5 (1.6)	150 (45.7)					3.7 (1.7)
160 (48.8)				3.5 (1.6)	2.6 (1.2)	160 (48.8)					2.8 (1.3)	160 (48.8)					3.0 (1.4)
170 (51.8)					2.1 (1.0)	170 (51.8)					2.3 (1.0)	170 (51.8)					

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.