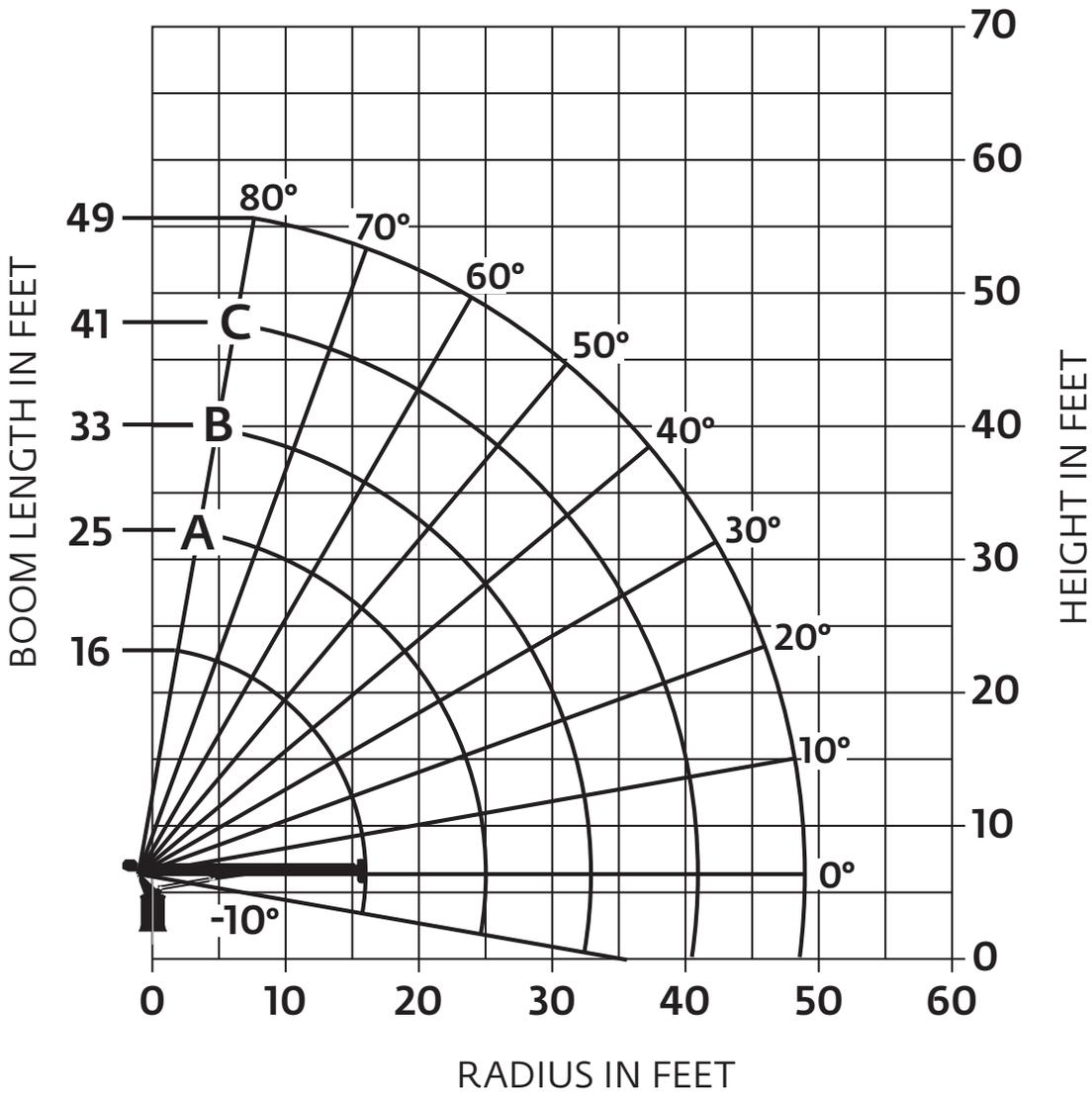
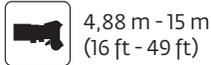


# Working range - 649H



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# Load chart - 649H



Pounds

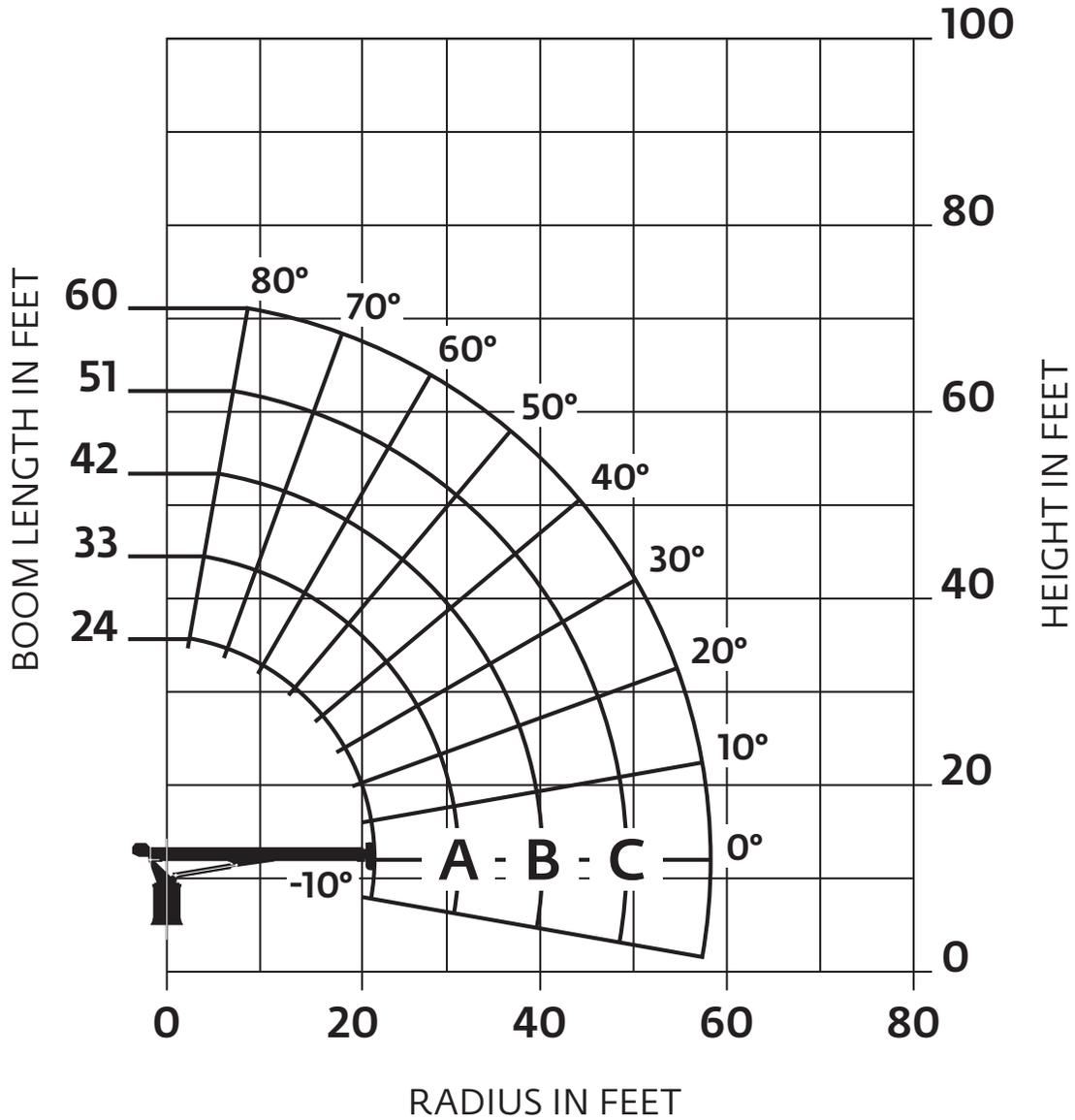
LOADED RADIUS (ft)	LOADED BOOM ANGLE (deg)	16 FT BOOM (lb)	LOADED BOOM ANGLE (deg)	A 25 FT BOOM (lb)	LOADED BOOM ANGLE (deg)	B 33 FT BOOM (lb)	LOADED BOOM ANGLE (deg)	C 41 FT BOOM (lb)	LOADED BOOM ANGLE (deg)	49 FT BOOM (lb)
5	67	40,000	75.5	38,100						
8	54	29,600	68	27,400	74	26,200	77.5	25,300		
10	44	24,700	63	23,200	70	22,200	74.5	21,300	78	19,500
12	31.5	20,400	57.5	20,200	66.5	19,250	71.5	18,450	75.5	17,500
14	8	13,750	51.5	17,750	62.5	17,000	68.5	16,300	73	15,000
16			45	15,750	58	15,200	65.5	14,550	70.5	13,750
20			29	12,100	49.5	12,500	59	12,050	65	11,750
25					36	9850	50	9800	58.5	9600
30					17	6950	40	8050	51	8050
35							28	6450	43.5	6800
40									33.5	5650
45									19	4300
	0	10,950	0	6350	0	4350	0	3200	0	2600

**NOTE:**

1. All capacities are in pounds, angles in degrees, radius in feet.
2. Loaded boom angles are given as reference only.

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# Working range - 660H



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# Load chart - 660H



7,32 m - 18,3 m  
(24 ft - 60 ft)



100%



360°



Pounds

LOADED RADIUS (ft)	LOADED BOOM ANGLE (deg)	24 FT BOOM (lb)	LOADED BOOM ANGLE (deg)	A 33 FT BOOM (lb)	LOADED BOOM ANGLE (deg)	B 42 FT BOOM (lb)	LOADED BOOM ANGLE (deg)	C 51 FT BOOM (lb)	LOADED BOOM ANGLE (deg)	60 FT BOOM (lb)
5	75.5	40,000								
8	67.5	27,200	74	25,800	77.5	25,000				
10	62	22,800	70	21,600	75	20,700	78	20,400		
12	56	19,650	67	18,700	72	17,800	75.5	17,400	78.5	17,150
14	49.5	17,150	62.5	16,400	69	15,750	73	15,250	76.5	14,950
16	43	15,150	58.5	14,600	66	14,050	71	13,600	74.5	13,200
20	24.5	11,150	49.5	11,950	60	11,550	66	11,200	70.5	10,850
25			37.5	9400	51.5	9350	59.5	9100	65.5	8800
30			14.5	6600	42	7700	53	7600	60	7400
35					30.5	6100	45.5	6400	54.5	6200
40							36.5	5350	48	5400
45							25	4250	41	4550
50									33	3900
55									21.5	3000
	0	6150	0	3950	0	2700	0	1950	0	1300

**NOTE:**

1. All capacities are in pounds, angles in degrees, radius in feet.
2. Loaded boom angles are given as reference only.

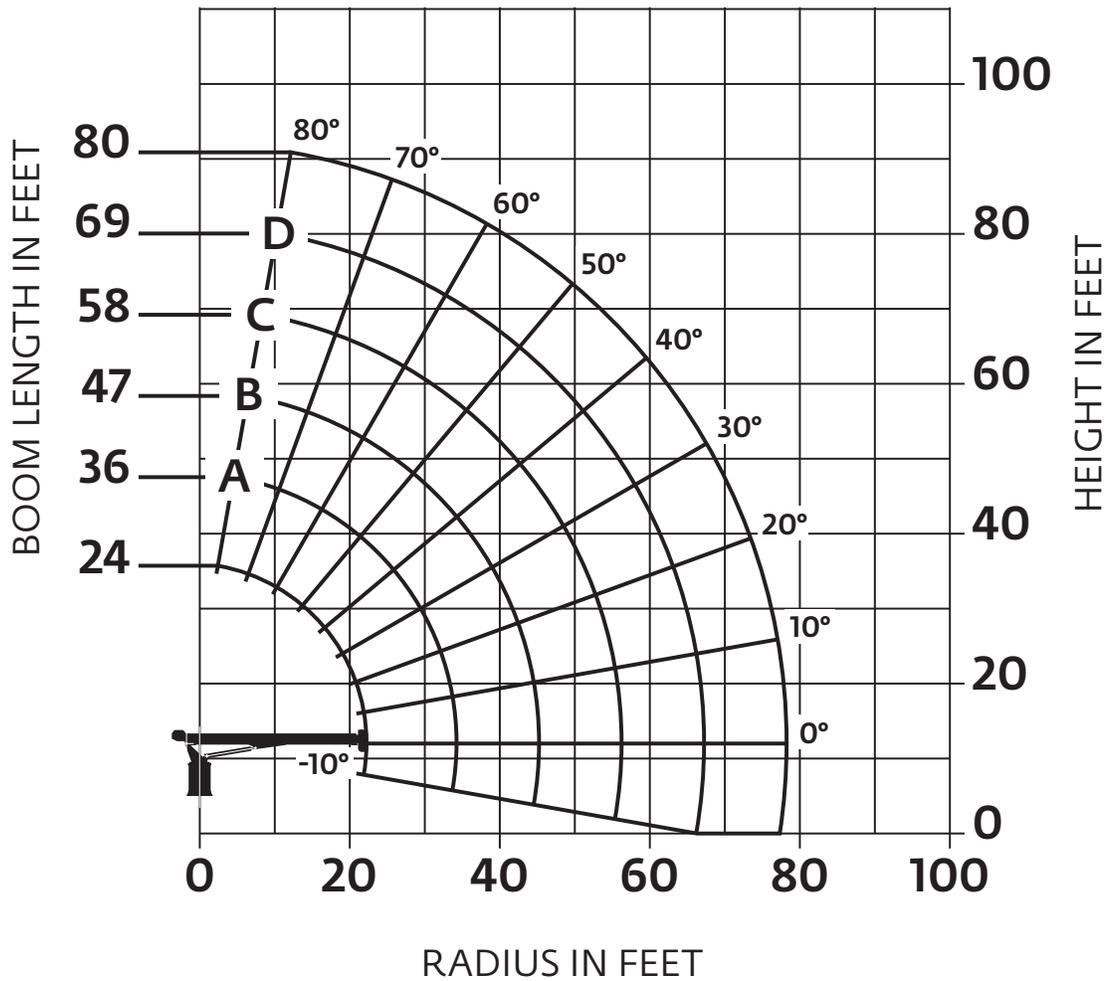
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# Working range - 680H

 24,38 m  
(80 ft)

 100%

 360°



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# Load chart - 680H



7,32 m - 24,38 m  
(24 ft - 80 ft)



100%



360°



Pounds

LOADED RADIUS (ft)	LOADED BOOM ANGLE (deg)	24 FT BOOM (lb)	LOADED BOOM ANGLE (deg)	A 36 FT BOOM (lb)	LOADED BOOM ANGLE (deg)	B 47 FT BOOM (lb)	LOADED BOOM ANGLE (deg)	C 58 FT BOOM (lb)	LOADED BOOM ANGLE (deg)	D 69 FT BOOM (lb)	LOADED BOOM ANGLE (deg)	80 FT BOOM (lb)
5	76	40,000										
8	68	27,100	75	25,400								
10	62.5	22,400	72	21,400	76.5	20,600						
12	56.5	19,500	68.5	18,350	74	17,550	77.5	17,050				
14	50.5	17,100	65	16,000	71.5	15,300	75.5	14,750				
16	43.5	14,750	61	14,200	70	13,550	73.5	13,050	77	12,150		
20	27	11,100	53.5	11,450	63.5	11,000	69.5	10,550	73.5	10,100	77	8550
25			43	9150	55.5	9000	64	8450	69	8200	73	8000
30			29.5	7000	48	7200	58.5	7050	64.5	6850	69	6550
35					39	5850	52	5900	59.5	5700	65	5500
40					28	4650	45	4800	54.5	4850	61	4650
45					7.5	2600	37	4100	49	4150	56.5	4000
50							28	3450	43	3500	52	3450
55							13.5	2200	36	2950	47	3000
60									28	2450	41.5	2550
65									16	1550	35.5	2150
70											28.5	1700
75											18.5	1150
	0	5800	0	3050	0	1750	0	1000				

**NOTE:**

1. All capacities are in pounds, angles in degrees, radius in feet.
2. Loaded boom angles are given as reference only.

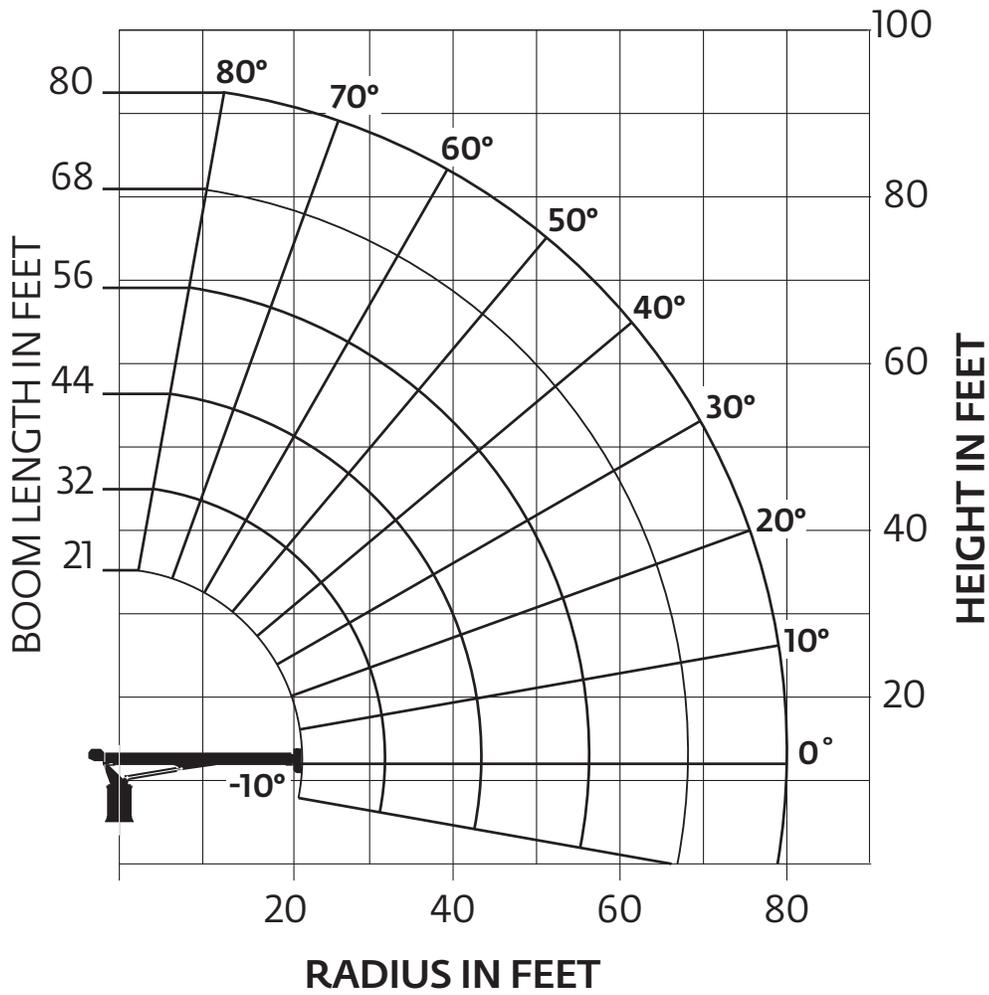
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# Working range - 680H-TM

 24,38 m  
(80 ft)

 100%

 360°



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# Load chart - 680H-TM



7,32 m - 24,38 m  
(24 ft - 80 ft)



100%



360°



Pounds

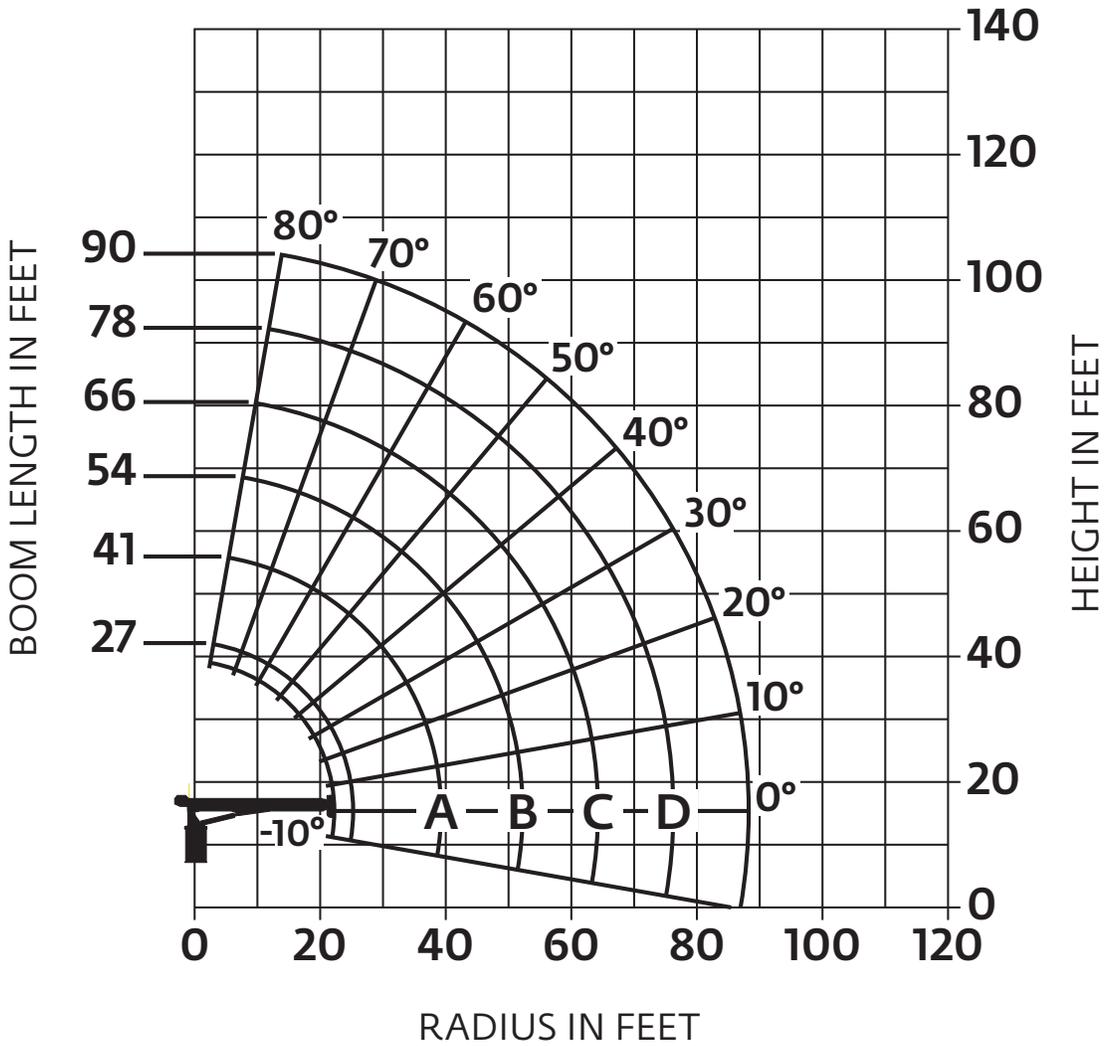
LOADED RADIUS (ft)	LOADED BOOM ANGLE (deg)	21 FT BOOM (lb)	LOADED BOOM ANGLE (deg)	32 FT BOOM (lb)	LOADED BOOM ANGLE (deg)	44 FT BOOM (lb)	LOADED BOOM ANGLE (deg)	56 FT BOOM (lb)	LOADED BOOM ANGLE (deg)	68 FT BOOM (lb)	LOADED BOOM ANGLE (deg)	80 FT BOOM (lb)
5	73	40,000										
8	64	27,000	74	18,000								
10	57.5	21,400	70	18,000	76	16,500						
12	51	18,450	66	18,000	73.5	16,500	77.5	13,200				
14	43.5	16,400	62	16,400	71	16,500	75.5	13,200	80	10,700		
16	34	14,750	57.5	14,750	67.5	14,750	73.5	12,600	78	10,100	79	6800
20			48.5	11,250	61	11,400	69	11,150	74	9250	76	5600
25			34.5	8900	53.5	9150	63	9150	69	8100	72	5100
30					45	7200	56.5	7200	64.5	7200	68.5	4400
35					34.5	6400	50.5	6400	59.5	6400	64.5	3850
40					20	5300	43	5150	54	5000	60	3400
45							35	4150	48	4000	56	2950
50							24	3400	42	3250	51.5	2600
55									35.5	2650	46.5	2300
60									27	2250	41	1950
65									13	1900	35	1650
70											29	1400
75											18	1200
	0	7500	0	5000	0	3900	0	2400	0	1500	0	1200

**NOTE:**

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# Load chart - 690H



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# Load chart - 690H



8,23 m - 27,43 m  
(27 ft - 90 ft)



100%



360°



Pounds

LOADED RADIUS (ft)	LOADED BOOM ANGLE (deg)	27 FT BOOM (lb)	LOADED BOOM ANGLE (deg)	A 41 FT BOOM (lb)	LOADED BOOM ANGLE (deg)	B 54 FT BOOM (lb)	LOADED BOOM ANGLE (deg)	C 66 FT BOOM (lb)	LOADED BOOM ANGLE (deg)	D 78 FT BOOM (lb)	LOADED BOOM ANGLE (deg)	90 FT BOOM (lb)
5	77	40,000										
8	70	25,750										
10	66	21,400	74	20,950								
12	61.5	18,450	71	17,750	76	17,000						
14	57	16,400	68	15,250	74	15,000	77.5	14,450				
16	51	14,750	65.5	13,300	71.5	13,200	75.5	12,600				
20	40	11,250	58.5	10,800	67.5	10,500	72	9950	76	9700	77.5	7850
25	19	7500	50	9050	61.5	8150	67	7900	71.5	7750	74.5	7550
30			40	7550	55	6750	62.5	6450	68	6250	71.5	6150
35			26.5	5250	48	5700	58	5450	63.5	5200	68	5050
40					40	4600	52	4550	59.5	4400	64.5	4200
45					32	3850	46.5	3850	54.5	3700	61	3550
50					16.5	2450	39.5	3150	50	3150	57	3000
55							31	2550	44.5	2650	53.0	2550
60							21.5	1800	39.5	2250	48.5	2150
65									32.5	1750	44	1850
70									24	1250	39	1500
75									11	450	33	1150
80											26.5	800
	0	4150	0	1950	0	850						

**NOTE:**

1. All capacities are in pounds, angles in degrees, radius in feet.
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