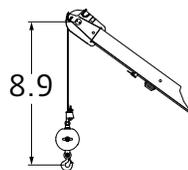
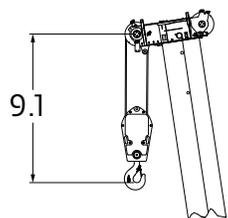
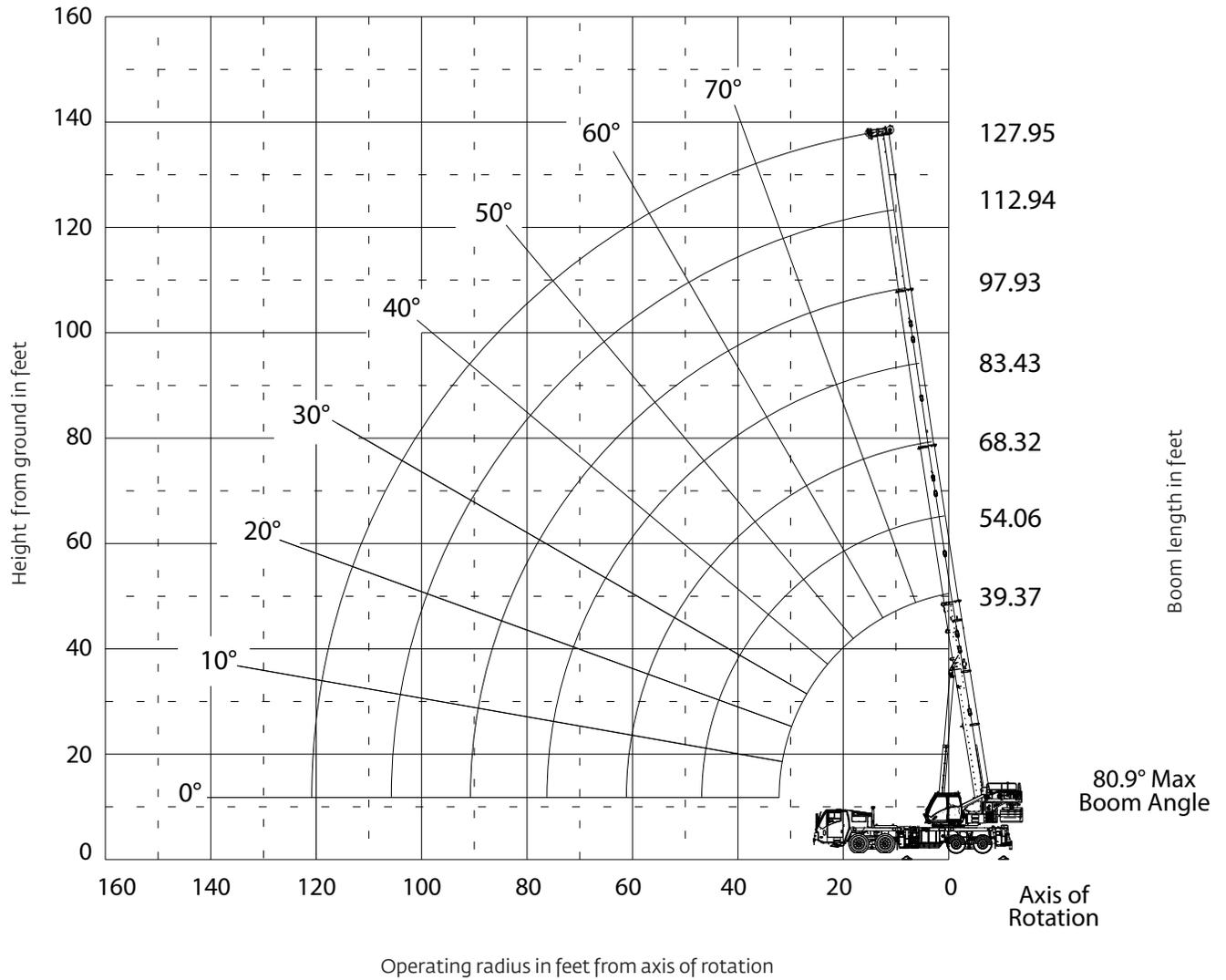


Working range

Main boom

39.4 ft - 128.0 ft main boom

(Boom deflection not shown)



Dimensions are for the largest Grove furnished hook block and overhaul ball, with anti-two block activated.

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Load chart

Main boom



39.4 ft - 128.0 ft
Fixed lengths



100%
24 ft



360°



28,000 lb



Pounds

Feet	39.4	54.1 - 54.5	69.2 - 69.5	81.0 - 84.2	93.0 - 95.4	96.2 - 99.2	107.4 - 112.9	119.0 - 125.0	128.0
8.0	150,000	--	--	--	--	--	--	--	--
9.0	150,000	150,000	106,500	--	--	--	--	--	--
10.0	150,000	150,000	106,500	--	--	--	--	--	--
12.0	142,500	139,000	106,500	76,400	--	--	--	--	--
15.0	122,500	120,500	106,500	75,850	55,500	--	--	--	--
20.0	97,700	98,050	89,650	65,350	54,750	54,600	42,300	--	--
25.0	76,800	77,050	75,450	56,300	46,050	46,050	42,300	32,750	27,150
30.0	59,300	59,700	60,750	49,450	39,450	39,500	38,000	32,550	27,150
35.0	--	47,300	47,300	44,000	34,300	34,450	33,200	29,450	27,150
40.0	--	38,000	38,200	39,350	30,200	30,350	29,350	26,550	24,800
45.0	--	32,000	31,700	32,950	26,850	27,050	26,150	24,100	22,500
50.0	--	--	27,500	28,000	24,050	24,250	23,500	22,050	20,550
55.0	--	--	24,250	24,100	21,650	21,900	21,300	20,100	18,900
60.0	--	--	21,150	20,950	19,950	19,900	19,350	18,400	17,450
65.0	--	--	--	18,400	18,550	18,000	17,700	17,000	16,200
70.0	--	--	--	16,300	17,050	16,000	16,250	15,550	15,050
75.0	--	--	--	14,500	15,200	14,150	14,800	14,300	13,850
80.0	--	--	--	--	13,650	12,600	13,250	13,200	12,750
85.0	--	--	--	--	12,300	11,250	11,900	12,150	11,800
90.0	--	--	--	--	--	10,000	10,650	11,100	10,950
95.0	--	--	--	--	--	--	9,730	10,050	9,970
100.0	--	--	--	--	--	--	9,200	9,110	9,030
105.0	--	--	--	--	--	--	8,660	8,270	8,180
110.0	--	--	--	--	--	--	--	7,520	7,430
115.0	--	--	--	--	--	--	--	6,850	6,760
120.0	--	--	--	--	--	--	--	--	6,170

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Load chart

Main boom

 39.4 ft - 128.0 ft
 Fixed lengths

 100%
 24 ft

 360°

 18,000 lb



 Pounds

Feet	39.4	54.1 - 54.5	69.2 - 69.5	80.4 - 84.2	93.0 - 95.4	96.2 - 97.9	107.0 - 112.9	119.0 - 125.0	128.0
8.0	150,000	--	--	--	--	--	--	--	--
9.0	150,000	150,000	106,500	--	--	--	--	--	--
10.0	150,000	150,000	106,500	--	--	--	--	--	--
12.0	150,000	138,500	106,500	76,400	--	--	--	--	--
15.0	138,000	120,000	106,500	75,850	55,500	--	--	--	--
20.0	119,500	93,600	89,650	65,350	54,750	54,600	42,300	--	--
25.0	93,100	69,750	70,850	56,300	46,050	46,050	42,300	32,750	27,150
30.0	69,650	51,850	51,500	49,450	39,450	39,500	38,000	32,550	27,150
35.0	50,300	39,900	39,900	41,100	34,300	34,450	33,200	29,450	27,150
40.0	--	32,700	33,400	33,300	30,200	30,350	29,350	26,550	24,800
45.0	--	26,900	27,950	27,650	25,650	27,050	26,150	24,100	22,500
50.0	--	--	23,550	23,300	23,400	22,700	23,350	22,050	20,550
55.0	--	--	20,050	19,850	20,450	19,300	19,850	19,950	18,900
60.0	--	--	17,250	17,150	17,700	16,700	17,150	17,300	17,350
65.0	--	--	--	15,600	15,600	14,450	15,550	15,400	15,250
70.0	--	--	--	13,950	13,650	12,600	13,900	13,550	13,400
75.0	--	--	--	12,500	12,050	11,000	12,450	12,000	11,850
80.0	--	--	--	--	10,700	10,000	11,100	10,650	10,550
85.0	--	--	--	--	9,520	9,340	9,930	9,530	9,430
90.0	--	--	--	--	--	8,760	8,890	8,520	8,430
95.0	--	--	--	--	--	--	7,980	7,610	7,520
100.0	--	--	--	--	--	--	7,180	6,800	6,720
105.0	--	--	--	--	--	--	6,480	6,080	6,000
110.0	--	--	--	--	--	--	--	5,440	5,360
115.0	--	--	--	--	--	--	--	4,880	4,790
120.0	--	--	--	--	--	--	--	--	4,280

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Load chart

Main boom

 39.4 ft - 128.0 ft
 Fixed lengths

 100%
 24 ft

 360°

 13,000 lb



 Pounds

Feet	39.4	54.1 - 54.5	68.3 - 69.5	81.0 - 84.2	91.9 - 95.4	96.2 - 97.9	107.0 - 112.9	119.0 - 125.0	128.0
8.0	150,000	--	--	--	--	--	--	--	--
9.0	150,000	150,000	106,500	--	--	--	--	--	--
10.0	150,000	150,000	106,500	--	--	--	--	--	--
12.0	136,000	136,000	106,500	76,400	--	--	--	--	--
15.0	117,500	118,000	106,500	75,850	55,500	--	--	--	--
20.0	89,850	90,300	89,650	65,350	54,750	54,600	42,300	--	--
25.0	63,900	65,200	64,800	56,300	46,050	46,050	42,300	32,750	27,150
30.0	45,600	47,300	47,000	48,300	39,450	39,500	38,000	32,550	27,150
35.0	--	37,050	37,300	37,350	34,300	34,450	33,200	29,450	27,150
40.0	--	29,600	30,650	30,200	29,000	29,600	29,350	26,550	24,800
45.0	--	24,150	25,200	24,700	25,350	24,100	24,750	24,100	22,500
50.0	--	--	20,950	20,650	21,250	20,050	20,650	20,800	20,550
55.0	--	--	17,700	17,550	18,100	17,050	18,200	17,800	17,700
60.0	--	--	15,200	16,150	15,700	14,550	15,850	15,500	15,350
65.0	--	--	--	14,100	13,650	12,550	13,950	13,450	13,350
70.0	--	--	--	12,350	12,050	11,550	12,250	11,750	11,650
75.0	--	--	--	10,900	10,650	10,750	10,850	10,350	10,250
80.0	--	--	--	--	9,570	9,540	9,620	9,170	9,070
85.0	--	--	--	--	8,490	8,450	8,530	8,130	8,030
90.0	--	--	--	--	--	7,530	7,580	7,210	7,120
95.0	--	--	--	--	--	--	6,750	6,370	6,290
100.0	--	--	--	--	--	--	6,020	5,640	5,550
105.0	--	--	--	--	--	--	5,380	4,980	4,900
110.0	--	--	--	--	--	--	--	4,400	4,320
115.0	--	--	--	--	--	--	--	3,880	3,790
120.0	--	--	--	--	--	--	--	--	3,340

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Load chart

Main boom

 39.4 ft - 128.0 ft
Fixed lengths

 100%
24 ft

 360°

 8,000 lb



Pounds

Feet	39.4	54.1 - 54.5	68.3 - 69.5	80.4 - 84.2	91.9 - 95.4	96.2 - 97.9	107.4 - 112.9	119.0 - 125.0	128.0
8.0	150,000	--	--	--	--	--	--	--	--
9.0	150,000	150,000	106,500	--	--	--	--	--	--
10.0	149,000	149,500	106,500	--	--	--	--	--	--
12.0	133,500	134,000	106,500	76,400	--	--	--	--	--
15.0	116,500	116,500	106,500	75,850	55,500	--	--	--	--
20.0	86,600	86,150	87,500	65,350	54,750	54,600	42,300	--	--
25.0	57,700	59,000	58,600	56,300	46,050	46,050	42,300	32,750	27,150
30.0	40,950	42,600	42,300	43,600	39,450	39,500	38,000	32,550	27,150
35.0	--	33,350	34,250	33,750	32,400	33,100	33,200	29,450	27,150
40.0	--	26,200	27,150	26,600	27,300	25,950	26,650	26,550	24,800
45.0	--	21,050	22,100	21,900	22,250	21,000	21,650	22,000	21,850
50.0	--	--	18,350	19,150	18,550	17,350	18,650	18,300	18,150
55.0	--	--	15,400	16,450	15,800	14,650	16,100	15,600	15,500
60.0	--	--	13,050	14,100	13,850	13,600	13,850	13,350	13,250
65.0	--	--	--	12,150	11,950	12,050	12,000	11,500	11,400
70.0	--	--	--	10,600	10,350	10,500	10,500	10,000	9,910
75.0	--	--	--	9,270	9,040	9,170	9,220	8,750	8,640
80.0	--	--	--	--	7,910	8,030	8,110	7,660	7,560
85.0	--	--	--	--	7,080	7,050	7,120	6,730	6,620
90.0	--	--	--	--	--	6,210	6,260	5,890	5,810
95.0	--	--	--	--	--	--	5,510	5,140	5,050
100.0	--	--	--	--	--	--	4,850	4,470	4,390
105.0	--	--	--	--	--	--	4,280	3,880	3,800
110.0	--	--	--	--	--	--	--	3,360	3,270
115.0	--	--	--	--	--	--	--	2,890	2,800
120.0	--	--	--	--	--	--	--	--	2,390

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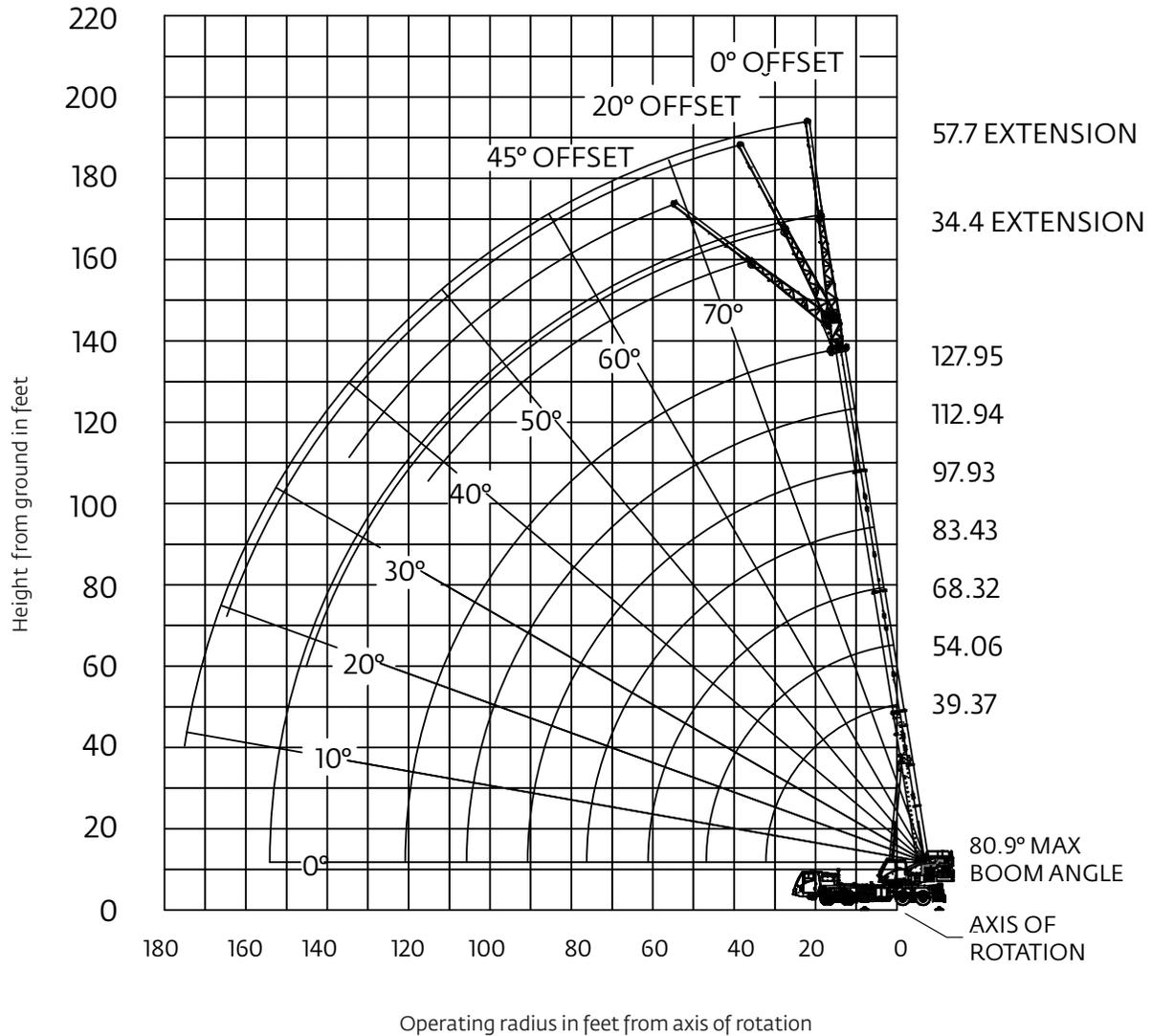
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Working range

Main boom and hydraulic or manual extension

39.4 ft - 128.0 ft main boom, 34.5 ft - 57.6 ft hydraulic or manual offsettable extension

(Boom deflection not shown)



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Load chart

Main boom and manual extension

 128.0 ft
Fixed length

 39.4 ft - 57.6 ft
Manual offsettable
swingaway

 28,000 lb

 100%
24 ft

 360°



Pounds

Feet	39.4 ft			57.6 ft		
	0°	20°	45°	0°	20°	45°
25.0	13,100	--	--	--	--	--
30.0	13,100	--	--	--	--	--
35.0	13,100	--	--	7,900	--	--
40.0	13,100	13,400	--	7,900	--	--
45.0	13,100	13,400	--	7,900	--	--
50.0	13,100	13,400	12,300	7,900	--	--
55.0	13,100	13,150	12,000	7,900	8,650	--
60.0	12,750	12,150	11,700	7,900	8,360	--
65.0	11,700	11,200	11,050	7,900	8,090	--
70.0	10,800	10,400	10,250	7,900	7,840	6,150
75.0	10,000	9,690	9,610	7,900	7,610	6,040
80.0	9,280	9,030	8,980	7,900	7,400	5,940
85.0	8,630	8,430	8,410	7,550	7,200	5,850
90.0	8,040	7,880	7,890	7,020	6,880	5,770
95.0	7,500	7,380	7,410	6,540	6,440	5,700
100.0	7,020	6,930	6,970	6,100	6,040	5,630
105.0	6,570	6,510	6,560	5,700	5,660	5,540
110.0	6,160	6,120	6,180	5,330	5,310	5,450
115.0	5,780	5,760	5,830	4,980	4,990	5,130
120.0	5,430	5,420	--	4,660	4,680	4,820
125.0	5,110	5,110	--	4,370	4,400	4,540
130.0	4,780	4,820	--	4,090	4,140	4,270
135.0	4,330	4,490	--	3,840	3,890	4,010
140.0	3,920	4,040	--	3,600	3,650	--
145.0	3,540	3,630	--	3,370	3,430	--
150.0	3,200	--	--	3,160	3,220	--
155.0	2,920	--	--	2,960	3,020	--
160.0	--	--	--	2,770	2,830	--
165.0	--	--	--	2,490	2,650	--
170.0	--	--	--	2,230	--	--
175.0	--	--	--	2,000	--	--

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Load chart

Main boom and hydraulic extension

 128.0 ft
Fixed length

 39.4 ft - 57.6 ft
Hydraulic offsettable
swingaway

 28,000 lb

 100%
24 ft

 360°



Pounds

Feet	39.4 ft			57.6 ft		
	0°	0 - 20°	20 - 45°	0°	0 - 20°	20 - 45°
25.0	13,100	--	--	--	--	--
30.0	13,100	--	--	--	--	--
35.0	13,100	--	--	7,890	--	--
40.0	13,100	13,100	--	7,890	--	--
45.0	13,100	13,100	--	7,890	--	--
50.0	13,100	13,100	12,300	7,890	--	--
55.0	13,100	13,100	12,000	7,890	7,890	--
60.0	12,700	12,100	11,700	7,890	7,890	--
65.0	11,700	11,200	11,000	7,890	7,730	--
70.0	10,750	10,350	10,250	7,890	7,490	5,940
75.0	9,970	9,660	9,580	7,890	7,270	5,850
80.0	9,250	9,000	8,960	7,890	7,060	5,760
85.0	8,590	8,400	8,390	7,520	6,870	5,690
90.0	8,010	7,850	7,850	7,000	6,690	5,620
95.0	7,470	7,350	7,350	6,510	6,420	5,560
100.0	6,980	6,900	6,900	6,070	6,010	5,510
105.0	6,540	6,470	6,470	5,670	5,640	5,460
110.0	6,130	6,080	6,080	5,300	5,290	5,290
115.0	5,750	5,720	5,720	4,960	4,960	4,960
120.0	5,400	5,390	--	4,640	4,640	4,660
125.0	5,080	5,080	--	4,340	4,340	4,380
130.0	4,780	4,780	--	4,070	4,070	4,110
135.0	4,400	4,400	--	3,810	3,810	3,860
140.0	3,980	3,980	--	3,570	3,570	--
145.0	3,600	3,600	--	3,340	3,340	--
150.0	3,260	--	--	3,130	3,130	--
155.0	2,970	--	--	2,930	2,930	--
160.0	--	--	--	2,750	2,750	--
165.0	--	--	--	2,570	2,570	--
170.0	--	--	--	2,300	--	--
175.0	--	--	--	2,070	--	--

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