



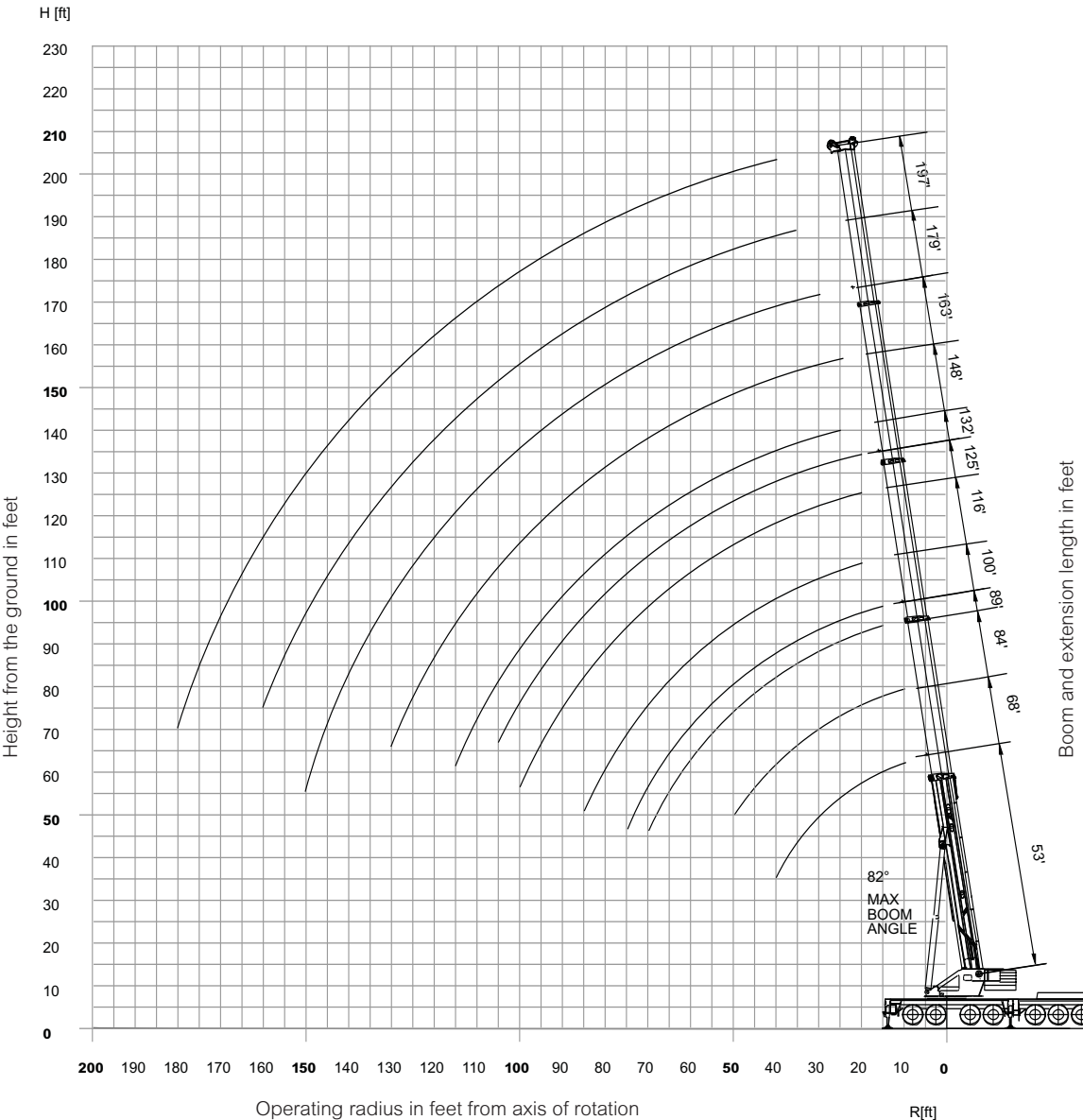
LIFTING CHARTS - All Terrain Cranes

GROVE MODEL GMK7550 - 550 TON CAPACITY

working range

197 ft Main Boom

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.



Hook height						
Rated capacities in 1000 lbs.	705.4	551.1	440.9	352.6	220.4	88.1
Distance H in ft	13.3	13.0	12.0	12.0	10.8	10.5

STERLING CRANE

load charts

												
53 - 197 ft	264,500 lbs.	100%	360°									
		29' 2" Spread										
	 Pounds (thousands)											
Feet	53.0	68.0	84.0	89.0	100.0	116.0	125.0	132.0	148.0	163.0	179.0	197.0
8	*788.0											
10	678.0	624.0										
15	538.0	536.0	496.0	300.0								
20	438.0	442.0	438.0	300.0	410.0	372.0	284.0					
25	370.0	374.0	374.0	300.0	368.0	346.0	256.0	254.0				
30	318.0	320.0	320.0	298.0	318.0	316.0	232.0	228.0	204.0	181.0		
35	276.0	280.0	280.0	270.0	278.0	282.0	206.0	207.0	186.0	168.0	146.0	
40	242.0	244.0	246.0	238.0	244.0	246.0	187.0	186.0	168.0	155.0	141.0	123.0
45		215.0	216.0	209.0	219.0	217.0	170.0	170.0	154.0	142.0	131.0	119.0
50		191.0	196.0	185.0	195.0	193.0	154.0	155.0	141.0	131.0	122.0	112.0
55			176.0	165.0	175.0	174.0	143.0	145.0	129.0	121.0	114.0	105.0
60			159.0	147.0	159.0	157.0	132.0	136.0	120.0	111.0	106.0	98.0
65			144.0	136.0	144.0	142.0	121.0	128.0	111.0	104.0	98.0	92.0
70			131.0	122.0	130.0	127.0	111.0	119.0	102.0	97.0	92.0	86.0
75				109.0	117.0	114.0	104.0	113.0	96.0	90.0	87.0	80.0
80					106.0	104.0	95.0	107.0	90.0	83.0	81.0	76.0
85						97.0	94.0	86.0	98.0	84.0	79.0	75.0
90							87.0	78.0	90.0	79.0	75.0	71.0
95							84.0	70.0	82.0	75.0	70.0	68.0
100							79.0	64.0	76.0	72.0	66.0	64.0
105								59.0	70.0	69.0	62.0	60.0
110								56.0	65.0	66.0	59.0	56.0
115									61.0	62.0	56.0	53.0
120										57.0	52.0	51.0
125										54.0	49.0	49.0
130										50.0	47.0	46.0
135											46.0	44.0
140											43.4	41.2
145											40.6	38.6
150											38.2	36.0
155												33.6
160												31.4
165												
170												29.4
175												27.6
180												25.8
185												24.2

Loads > 420,000 lb can only be lifted with additional equipment
 * Over rear, 20 ft. outrigger span

												
53 - 197 ft	220,400 lbs.	100%	360°									
		29' 2" Spread										
	 Pounds (thousands)											
Feet	53.0	68.0	84.0	89.0	100.0	116.0	125.0	132.0	148.0	163.0	179.0	197.0
8	*788.0											
10	664.0	624.0										
15	526.0	524.0										
20	428.0	432.0	432.0	300.0			284.0					
25	360.0	364.0	364.0	300.0	362.0	346.0	256.0	254.0				
30	308.0	312.0	312.0	298.0	310.0	314.0	232.0	228.0	204.0	181.0		
35	264.0	268.0	268.0	262.0	272.0	270.0	206.0	207.0	186.0	168.0	146.0	
40	228.0	232.0	236.0	226.0	236.0	234.0	187.0	186.0	168.0	155.0	141.0	123.0
45		206.0	208.0	196.0	207.0	205.0	170.0	170.0	154.0	142.0	131.0	119.0
50		180.0	183.0	172.0	183.0	180.0	154.0	155.0	141.0	131.0	122.0	112.0
55			159.0	150.0	158.0	155.0	143.0	145.0	129.0	121.0	114.0	105.0
60			139.0	130.0	139.0	136.0	127.0	136.0	120.0	111.0	106.0	98.0
65			123.0	115.0	123.0	120.0	111.0	124.0	111.0	104.0	98.0	92.0
70			110.0	108.0	109.0	109.0	98.0	111.0	102.0	97.0	92.0	86.0
75				96.0	98.0	102.0	87.0	99.0	94.0	90.0	87.0	80.0
80					89.0	93.0	80.0	90.0	88.0	83.0	81.0	76.0
85					81.0	84.0	75.0	82.0	83.0	78.0	75.0	72.0
90						77.0	70.0	74.0	76.0	71.0	71.0	67.0
95						71.0	65.0	68.0	69.0	67.0	67.0	63.0
100						65.0	60.0	64.0	64.0	63.0	61.0	60.0
105							55.0	61.0	59.0	58.0	56.0	56.0
110							50.0	57.0	54.0	54.0	52.0	52.0
115								53.0	50.0	49.0	48.0	48.0
120									46.0	46.0	43.8	44.0
125									44.0	42.4	40.4	40.6
130									41.2	39.4	37.4	37.6
135										36.4	34.6	34.6
140										34.0	32.0	32.0
145										31.6	29.6	29.6
150										29.4	27.2	27.4
155											25.2	25.4
160											23.4	23.4
165												21.6
170												20.0
175												18.4
180												17.0

Loads > 420,000 lb can only be lifted with additional equipment
 * Over rear, 20 ft. outrigger span

STERLING CRANE

load charts

														
												Pounds (thousands)		
Feet	53.0	68.0	84.0	89.0	100.0	116.0	125.0	132.0	148.0	163.0	179.0	197.0		
8	*788.0													
10	650.0	624.0												
15	512.0	514.0	496.0	300.0										
20	418.0	420.0	420.0	300.0	410.0	372.0	284.0							
25	352.0	354.0	354.0	300.0	352.0	346.0	256.0	254.0						
30	294.0	298.0	298.0	290.0	300.0	296.0	232.0	228.0	204.0	181.0				
35	250.0	252.0	258.0	246.0	256.0	242.0	206.0	207.0	186.0	168.0	146.0			
40	213.0	216.0	206.0	206.0	215.0	203.0	187.0	186.0	168.0	155.0	141.0	123.0		
45	203.0	176.0	180.0	170.0	179.0	174.0	160.0	168.0	154.0	142.0	131.0	119.0		
50		149.0	153.0	143.0	152.0	149.0	138.0	150.0	139.0	131.0	122.0	112.0		
55			131.0	129.0	131.0	133.0	119.0	131.0	121.0	119.0	114.0	105.0		
60			115.0	112.0	114.0	118.0	107.0	115.0	112.0	105.0	105.0	98.0		
65			103.0	98.0	100.0	105.0	98.0	102.0	102.0	96.0	94.0	92.0		
70			91.0		91.0	93.0	87.0	90.0	92.0	89.0	85.0	83.0		
75				83.0	85.0	84.0	78.0	84.0	82.0	81.0	77.0	75.0		
80					76.0	75.0	70.0	77.0	74.0	73.0	70.0	68.0		
85					69.0	68.0	62.0	69.0	68.0	66.0	63.0	62.0		
90						63.0	58.0	63.0	62.0	60.0	58.0	56.0		
95						58.0	55.0	58.0	56.0	54.0	53.0	52.0		
100						53.0	53.0	53.0	51.0	50.0	48.0	47.0		
105							49.0	48.0	47.0	45.0	43.4	43.6		
110							46.0	45.0	43.2	41.4	39.4	39.6		
115								41.0	39.6	37.8	36.0	36.2		
120									36.4	34.6	32.8	33.0		
125									33.6	31.8	29.8	30.0		
130									31.0	29.2	27.2	27.4		
135										26.8	24.8	25.0		
140										24.6	22.6	22.6		
145										22.6	20.4	20.6		
150										20.8	18.6	18.6		
155											16.8	17.0		
160											15.2	15.2		
165												13.8		
170												12.4		
175												11.0		
180												9.8		

Loads > 420,000 lb can only be lifted with additional equipment
* Over rear, 20 ft. outrigger span

														
												Pounds (thousands)		
Feet	53.0	68.0	84.0	89.0	100.0	116.0	125.0	132.0	148.0	163.0	179.0	197.0		
10	634.0	624.0												
15	500.0	500.0												
20	406.0	410.0	496.0	300.0	408.0	372.0	284.0							
25	336.0	340.0	410.0	300.0	338.0	314.0	256.0	254.0						
30	268.0	276.0	340.0	300.0	262.0	244.0	226.0	228.0	204.0	181.0				
35	205.0	215.0	278.0	254.0	208.0	212.0	199.0	182.0	194.0	179.0	168.0	146.0		
40	162.0	171.0	219.0	208.0	174.0	170.0	151.0	161.0	150.0	143.0	141.0	123.0		
45		141.0	175.0	172.0	144.0	145.0	135.0	136.0	133.0	127.0	121.0	116.0		
50		118.0	145.0	142.0	119.0	125.0	115.0	119.0	114.0	110.0	104.0	101.0		
55			124.0	126.0	106.0	107.0	109.0	108.0	106.0	101.0	96.0	91.0	88.0	
60			106.0	107.0	92.0	93.0	95.0	94.0	88.0	89.0	85.0	80.0	78.0	
65			92.0	93.0	81.0	82.0	83.0	84.0	81.0	83.0	79.0	71.0	69.0	
70			81.0	82.0	71.0	72.0	74.0	74.0	75.0	74.0	71.0	67.0	63.0	61.0
75			71.0	72.0	64.0	66.0	67.0	66.0	64.0	60.0	56.0	55.0		
80				64.0	59.0	59.0	60.0	59.0	58.0	54.0	51.0	49.0		
85					53.0	53.0	54.0	53.0	52.0	49.0	46.0	44.0		
90						48.0	49.0	48.0	46.0	44.0	41.0	40.0		
95						43.6	44.0	43.2	41.8	40.0	37.0	36.2		
100						39.6	40.2	39.2	37.8	36.0	33.4	32.6		
105							36.6	35.6	34.2	32.4	30.2	29.4		
110							33.2	32.2	30.8	29.0	27.2	26.6		
115								29.2	27.8	26.0	24.2	24.0		
120									25.2	23.4	21.6	21.6		
125									22.8	21.0	19.2	19.2		
130									20.6	18.8	16.8	17.0		
135										16.8	14.8	15.0		
140										15.0	13.0	13.2		
145										13.4	11.2	11.4		
150										11.8	9.8	9.8		
155											8.2	8.4		
160											7.0	7.0		
165												5.8		
170												4.6		
175												3.6		

Loads > 420,000 lb can only be lifted with additional equipment

															
53 - 197 ft	0 lbs.	100%	360°												
29' 2" Spread															
											Pounds (thousands)				
Feet	53.0	68.0	84.0	89.0	100.0	116.0	125.0	132.0	148.0						
10	586.0	584.0													
15	440.0	366.0	302.0	278.0											
20	199.0	180.0	163.0	159.0	146.0	130.0	124.0								
25	114.0	111.0	106.0	104.0	99.0	90.0	87.0	81.0	53.0						
30	72.0	75.0	74.0	73.0	71.0	66.0	64.0	60.0	40.2						
35	49.0	53.0	54.0	54.0	53.0	50.0	49.0	45.0	30.6						
40	34.0	38.6	40.6	41.0	40.4	38.2	37.6	34.8	23.4						
45		28.2	30.8	31.4	31.4	29.8	29.4	27.0	17.6						
50		20.6	23.4	24.0	24.4	23.0	23.0	20.8	13.0						
55			17.6	18.2	18.8	17.8	17.8	16.0	9.2						
60			13.0	13.6	14.2	13.6	13.6	11.8	6.0						
65			9.2	9.8	10.6	10.0	10.2	8.4							
70			6.0	6.8	7.6	7.0	7.2	5.6							
75				4.0	5.0	4.4	4.8								