

**GROVE**<sup>®</sup>

# GMK7550



## product guide

### features

- 550 ton (450 mton) capacity
- 197 ft (60 m) 5 section full power boom
- Patented TWIN-LOCK™ boom pinning system
- 82 ft - 240 ft (25 m - 73 m) lattice luffing jib
- 39 ft - 230 ft (12 m - 70 m) fixed lattice jib
- 430 ft (131 m) overall tip height
- Grove MEGAFORM boom
- New control console with EKS5 and ECOS
- Right side mounted cab stows to the rear
- Superstructure cab tilts up to approx 20°
- 264,500 lbs (120 Tonnes) hydraulically installed/removed counterweight
- 255 hp (190 kW) Mercedes OM906LA diesel, water cooled superstructure engine
- 563 hp (420 kW) Mercedes, diesel, water-cooled turbocharged carrier engine
- 53 mph (85 km/h) travel speed
- Boom removal and trailing boom kits (less dolly)
- Self removable rear outrigger box
- Optional 8th axle
- MEGATRAK™ independent suspension system



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All Terrain Crane

# features

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The operator's cab on the GMK7550 uses the new EKS5 LMI system and ECOS (Electronic Crane Operating System) with a combined dual screen display mounted on a tiltable swing arm.



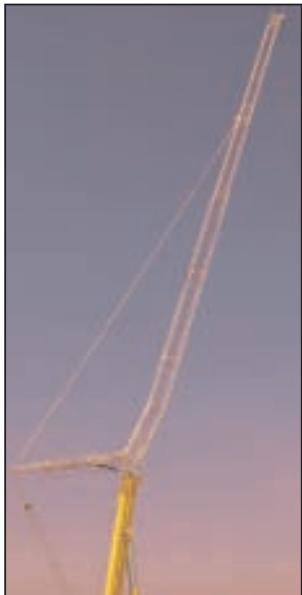
The Mercedes OM 502 LA, 8 cylinder carrier engine provides 563 (420 kW) horsepower.



The superstructure is powered by a Mercedes OM906 LA 6 cylinder 255 horsepower (190 kW) engine.



The new superstructure cab stows to the rear and swings hydraulically to the right side of the crane for operation. Stationary heating and A/C are standard.



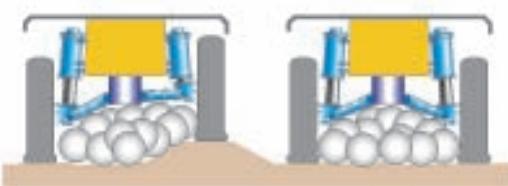
A sturdy 240 ft. (73 m) luffing jib on 179 ft. (54.6 m) of main boom provides up to 410 ft. (125 m) max tip ht with approximately 295 ft. (90 m) of working radius.



The TWIN-LOCK boom pinning system-a Grove patented design - runs inside a five section MEGAFORM boom.



The exclusive Grove MEGATRAK™ independent suspension system allows all wheels to be on the ground at all times; now with top steering on rear axles.



The rear outrigger box can be removed and replaced with an 8th axle for travel situations demanding additional axle weight distribution, (shown below with optional aluminum wheels).



# specifications

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## Superstructure

### Boom

53 ft. - 197 ft. (16 m - 60 m) five section, full power boom with patented TWIN-LOCK™ boom pinning system. Maximum tip height: 207 ft. (63 m).

### Boom Elevation

Two lift cylinders with safety valves provide boom angles from -3° to +82°.

### Lattice Jib

Luffing jib is a lattice design with lengths of 82 ft. -240 ft. (25 m - 73 m) in sections of 20 ft. (6 m). The luffing jib converts to a fixed offset lattice jib providing lengths of 39 ft. -230 ft. (12 m - 70 m) offsettable at 3° and 25°.

### Load Moment & Anti-Two Block System

Graphic display load moment and anti-two block system with audio/visual warning and control lever lockout. These systems provide electronic display of boom angle, length, radius, tip height, relative load moment, maximum permissible load, load indication and warning of impending two-block condition.

### Cab

All aluminum construction cab is tiltable (approximately 20°) and includes safety glass and adjustable operator's seat with hydraulic suspension. Other features include engine dependent hot water heater, air conditioning, armrest integrated crane controls, and ergonomically arranged instrumentation. Cab hydraulically stows to the rear of the superstructure for highway travel.

### Swing

3 axial piston fixed displacement motors provide swing speed of 0 - 1 RPM thru planetary gear box. Also provided is a spring applied, hydraulically released automatic swing brake with foot operated release for free swing.

### Counterweight

264,500 lbs. (120 Tonnes) consisting of various sections with hydraulic installation/removal system (see counterweight configuration on page 8).

### Engine

Mercedes OM906LA, diesel, 6 cylinders, water cooled, turbocharged, 255 HP (190 kW) at 1800 rpm. Max. torque: 811 ft./lbs. (1100 Nm) at 1300 rpm. Engine emission: EUROMOT/EPA/CARB (off highway).

### Fuel Tank Capacity

79 gal. (300 L).



### Hydraulic System

5 separate circuits, 3 axial piston variable displacement pumps with electronic power limiting control, 1 axial piston variable displacement pump for slewing and 1 fixed displacement pump for auxiliary gears. Standard thermostatically controlled oil cooler keeps oil at optimum operating temperature. Tank capacity: 428 gal. (1620 L)



### Control system

Full electronic control of all crane movements is accomplished using electrical control levers with automatic reset to zero. Controls are integrated with the LMI and engine management system by CAN-BUS.



### Hoist

Main and auxiliary hoist are powered by axial piston variable displacement motor with planetary gear and brake. "Thumb-thumper" hoist drum rotation indicator alerts operator of hoist movement.

	Main Auxiliary	Auxiliary
Line length:	1509 ft. (460 m)	2,264 ft. (690 m)
Rope diameter:	24 mm	24 mm
Line speed:	443 ft/min (135 m/min)	443 ft/min (135 m/min)
Line pull:	24,729 lbs. (110 kN)	24,729 lbs. (110 kN)



### Electrical system

24 V system with three-phase alternator 28 V/100 A  
2 batteries 12 V/170 Ah.

### \* Optional equipment

- \* Engine-independent hot water heater, with engine pre-heater
- \* Second spotlight
- \* Stereo/CD player
- \* Lift enhancement system
- \* 360° positive swing lock

\* Denotes optional equipment

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# specifications

## Carrier

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### Chassis

Special 7 axle carrier, welded torsion resistant frame is fabricated from high-strength steel.

### Outrigger System

Hydraulic two-stage outrigger beams are extended by a single hydraulic cylinder and two cables. Outriggers can adjust to two positions:

- Fully extended (100%) - 29' 2" (8.9 m)
- Partially extended (50%) - 20' (6.1 m)

Four 32 in. x 32 in. (810 mm x 810 mm), self stowing, steel outrigger pads provide rigid lifting base. Outrigger controls are located on both sides of the carrier. Electronic level indicators are located next to each outrigger control box. Outrigger pad load indication through ECOS and carrier controls.

### Engine

Mercedes, diesel, 8 cylinders, water-cooled, turbocharged, 563 HP (420 kW) at 1800 rpm. Max. torque: 1991 ft. lbs. (2700 Nm) at 1080 rpm. Engine emission: EPA/CARB (non highway).

### Fuel Tank Capacity

132 gal. (500 L).

### Transmission

Allison automatic HD 4076, 7 forward and 1 reverse speed. Transfer case with 2 speeds and inter-axle differential lock.

### Drive/Steer

14 x 6 x 14.

### Axles

7 axles. 1, 4 and 5 are drive/steer. Axles 2, 3, 6 and 7 are steer only.

### Suspension

GMK7550 features the Grove exclusive MEGATRAK™ suspension. This revolutionary design features an independent hydronematic system with hydraulic lockout acting on all wheels. The suspension can be raised 6-1/2" (170 mm) or lowered 5" (130 mm) both longitudinally and transversely and features an automatic leveling system for on-highway travel.

### Tires

14 tires, 16.00 R25.

## Steering

Dual circuit steering system is hydraulic power assisted with emergency steering pump.

Axes 1, 2, 3, 6 and 7steer on highway.

Separate steering of the 4th, 5th, 6th and 7th axles for all wheel steer and crab-steer, controlled by an electric rocker switch.

## Brakes

A dual circuit air system operates on all wheels with a spring-applied, air released parking brake acting on axles 2, 4, 5 and 7. An air dryer is fitted to remove moisture from the air system. Standard engine compression brake and transmission retarder.

## Cab

Two-man, aluminum construction driver's cab includes the following features: safety glass; driver and passenger seats with hydraulic suspension, engine-dependent hot water heater and air conditioning. Complete instrumentation and driving controls.

## Electrical System

24 V system with three-phase alternator 28 V/100 A, 2 batteries 12 V/170 Ah.

## Maximum Speed

53 mph (85 km/h) with 20.5 R25 tires.

## Gradeability (theoretical)

32% with 20.5 R25 tires. (14x6x14)  
50% with 20.5 R25 tires. (14x8x14)

## Miscellaneous Standard Equipment

Boom removal kit; trailing boom kit (less dolly), additional hydraulic oil cooler; removable rear outrigger box, spare tire and wheel; tool kit; fire extinguisher; radio/cassette player in carrier cab.

## \* Optional Equipment

- \* 14 x 8 x 14 (1,2,4 and 5 are drive/steer)
- \* Engine-independent hot water heater, with engine pre-heater
- \* Tachograph

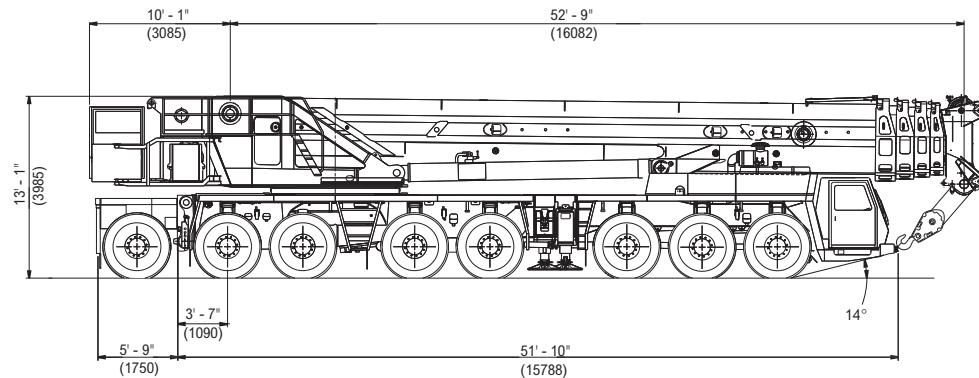
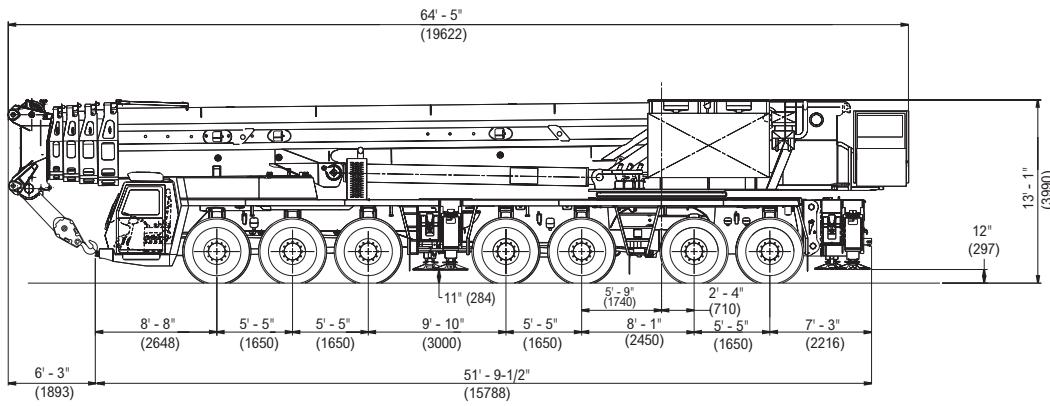
\* Denotes optional equipment

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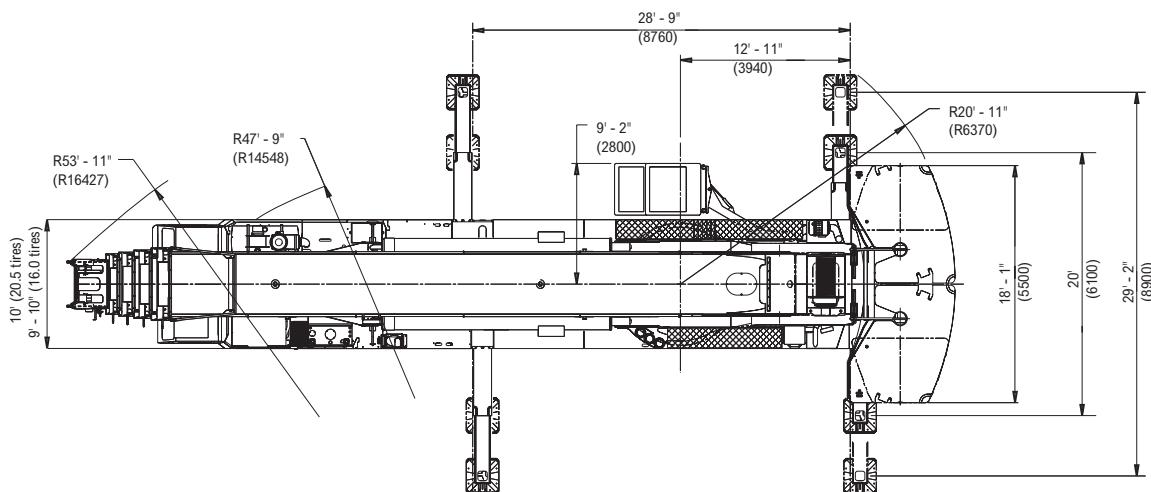
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# dimensions

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Shown with  
8th axle



**GMK 7550**

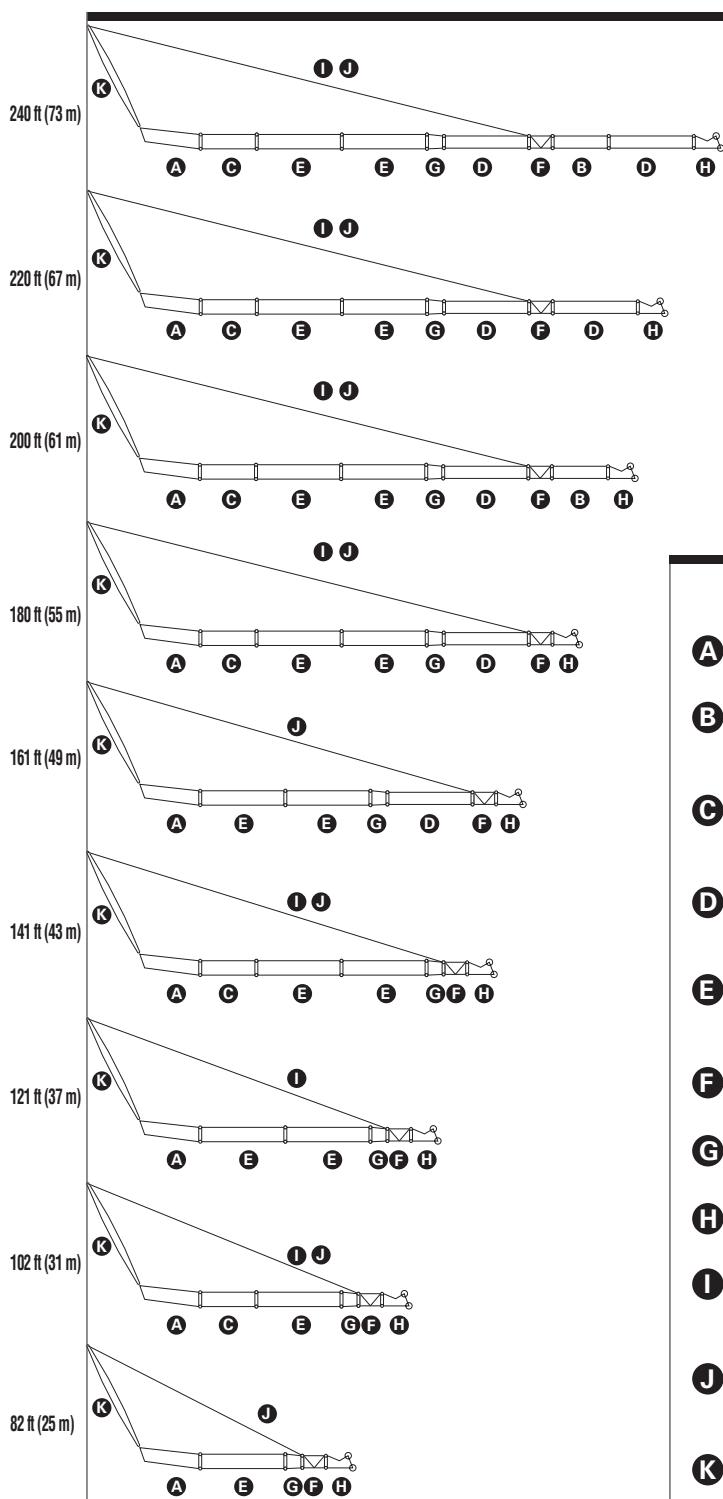
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# dimensions

## Luffing jib combinations

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without angle offset



Description	Length x width x height in ft (m)	Weight in lbs. (m)
<b>A</b> Foot Section	28.87 x 5.90 x 8.20 (8.80 x 1.80 x 2.50)	8 160 (3 700)
<b>B</b> Short intermediate sections, small cross-section, each	20.34 x 4.91 x 4.91 (6.20 x 1.50 x 1.50)	1 985 (900)
<b>C</b> Short intermediate sections, large cross-section, each	20.34 x 5.90 X 6.23 (6.20 x 1.80 x 1.90)	2 205 (1 000)
<b>D</b> Long intermediate sections, small cross-section, each	40.03 x 4.91 x 4.91 (12.20 x 1.50 x 1.50)	3 530 (1 600)
<b>E</b> Long intermediate sections, large cross-section, each	40.03 x 5.90 x 6.23 (12.20 x 1.80 x 1.90)	3 530 (1 600)
<b>F</b> Angle piece	12.14 x 4.91 x 5.90 (3.70 x 1.50 x 1.80)	3 530 (1 600)
<b>G</b> Reducing piece	3.94 x 5.90 x 6.23 (1.20 x 1.80 x 1.90)	1 105 (500)
<b>H</b> Head piece	10.50 x 4.91 x 6.89 (3.20 x 1.50 x 2.10)	2 650 (1 200)
<b>I</b> Rear pendant link for short intermediate section	20.34 x 0.70 x 0.70 (6.20 x 0.20 x 0.20)	440 (200)
<b>J</b> Rear pendant link for long intermediate section	40.03 x 0.70 x 0.70 (12.20 x 0.20 x 0.20)	880 (400)
<b>K</b> Luffing control arm with fall-back guard strut	40.03 x 6.89 x 5.90 (12.20 x 2.10 x 1.80)	* 7 055 (3 200)

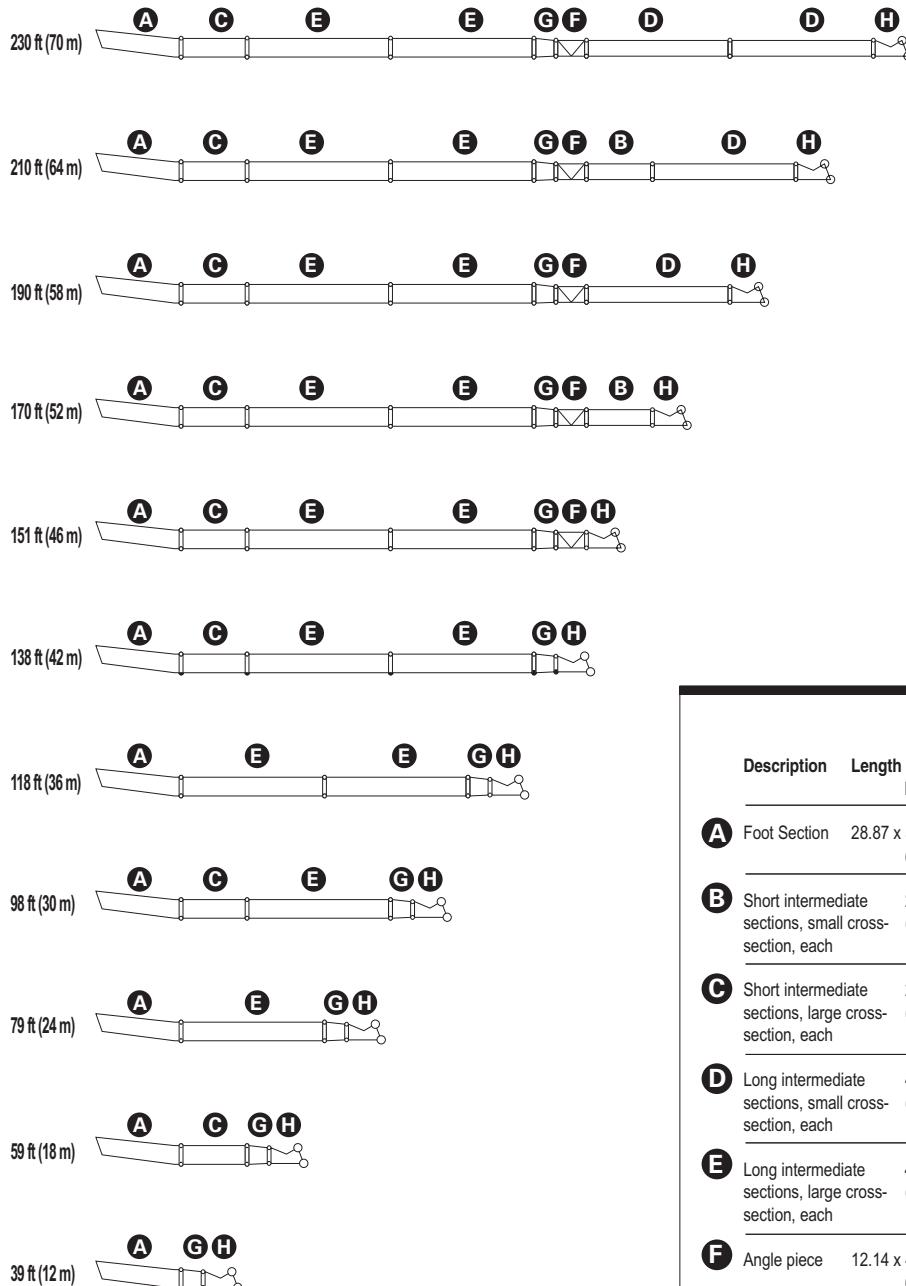
\* Individual weight of rear pendant link: 795 lbs. (360 kg)

# dimensions

## Lattice boom extension combinations

without angle offset

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Description	Length x width x height in ft (m)	Weight in lbs. (m)
<b>A</b> Foot Section	28.87 x 5.90 x 8.20 (8.80 x 1.80 x 2.50)	8 160 (3 700)
<b>B</b> Short intermediate sections, small cross-section, each	20.34 x 4.91 x 4.91 (6.20 x 1.50 x 1.50)	1 985 (900)
<b>C</b> Short intermediate sections, large cross-section, each	20.34 x 5.90 X 6.23 (6.20 x 1.80 x 1.90)	2 205 (1 000)
<b>D</b> Long intermediate sections, small cross-section, each	40.03 x 4.91 x 4.91 (12.20 x 1.50 x 1.50)	3 530 (1 600)
<b>E</b> Long intermediate sections, large cross-section, each	40.03 x 5.90 x 6.23 (12.20 x 1.80 x 1.90)	3 530 (1 600)
<b>F</b> Angle piece	12.14 x 4.91 x 5.90 (3.70 x 1.50 x 1.80)	3 530 (1 600)
<b>G</b> Reducing piece	3.94 x 5.90 x 6.23 (1.20 x 1.80 x 1.90)	1 105 (500)
<b>H</b> Head piece	10.50 x 4.91 x 6.89 (3.20 x 1.50 x 2.10)	2 650 (1 200)

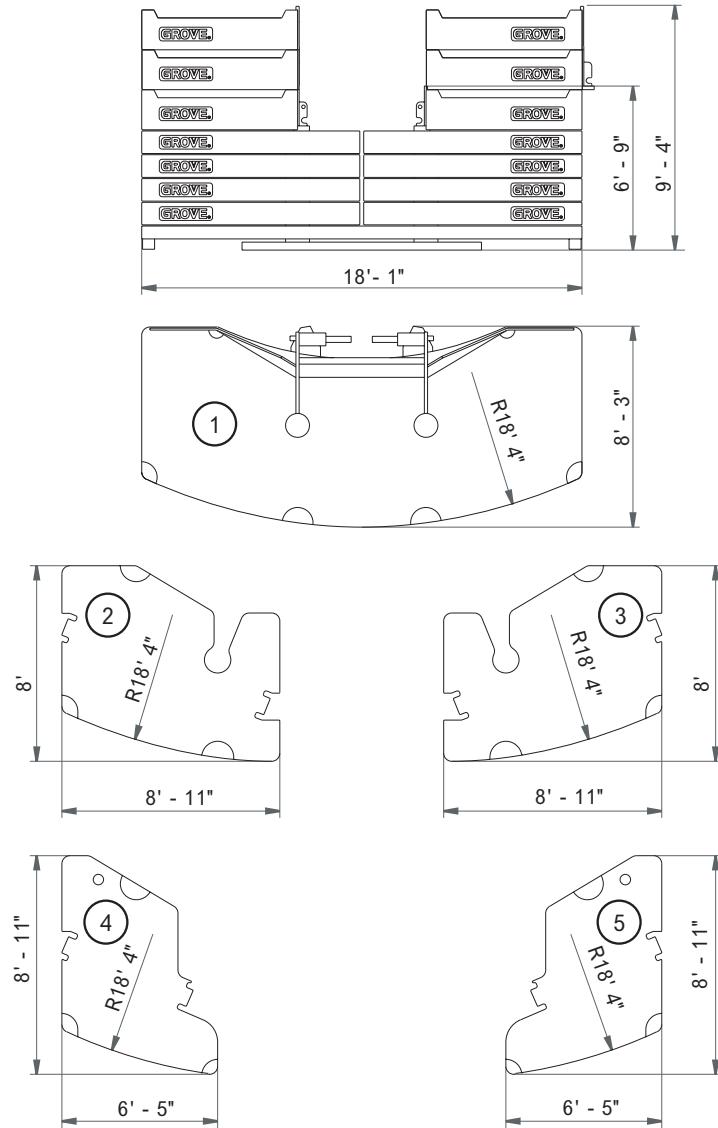
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# counterweight

**264,500 lbs.**

8



■ Thousand lbs.	1 44.0 x	2 22.0 x	3 22.0 x	4 22.0 x	5 22.0 x
44.0					
88.1	x	x	x		
132.2	x	2 x	2 x		
176	x	3 x	3 x		
220.4	x	4 x	4 x		
264.5	x	4 x	4 x	x	x
308.6	x	4 x	4 x	2 x	2 x
352.7	x	4 x	4 x	3 x	3 x

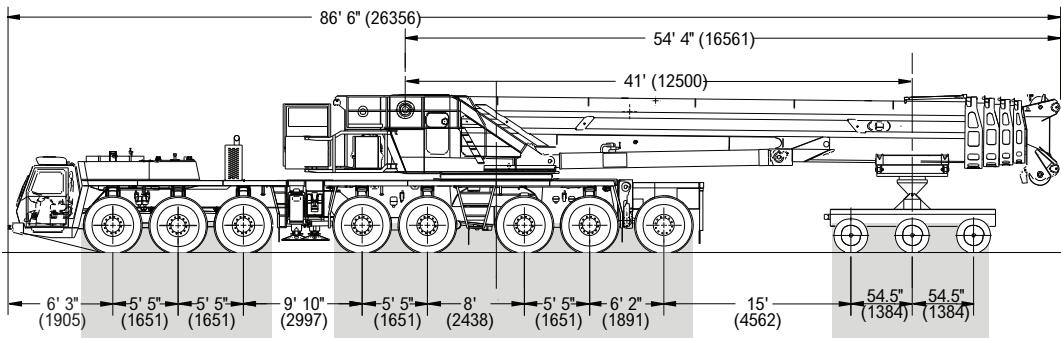
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# travel proposals

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## Trailing boom dolly with 8th axle



### Axes 1 - 3

**Boom in dolly over rear,  
rear outrigger box removed,  
8th axle installed**

### Axes 4 - 8

59,094 lbs.  
(26 805 kg)

### Dolly

89,889 lbs.  
(40 773 kg)

### Total GVW

51,282 lbs.  
(23 261 kg)

### Total GVW

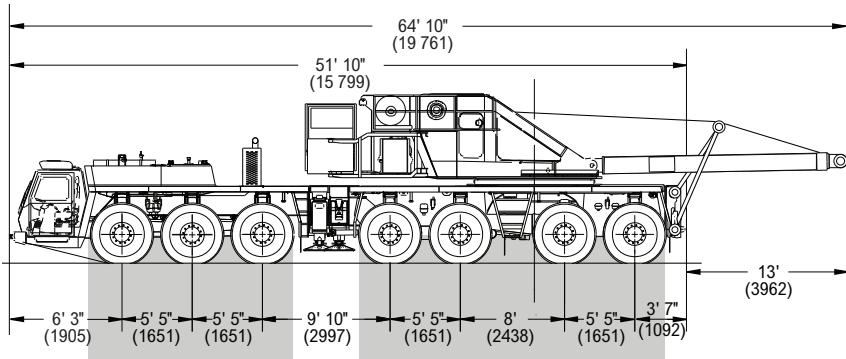
200,264 lbs.  
(90 839 kg)

#### Unit equipped with:

- 20.5 tires on aluminum rims - axles 1 through 8
- Operator, 165 lbs. (75 kg)
- Welded on MEGAWINGLIFT hardware
- Dolly weight: 8,600 lbs. (3900 kg)

Allow 2% variation in weight due to manufacturing tolerances

## Boom removed, superstructure over rear



### Axes 1 - 3

**Boom removed,  
superstructure  
over rear**

### Axes 4 - 7

35,456 lbs.  
(16 083 kg)

### Total GVW

76,914 lbs.  
(34 888 kg)

### Total GVW

112,370 lbs.  
(50 971 kg)

#### Unit equipped with:

- Rear outrigger box removed
- 20.5 tires on aluminum rims
- Operator, 165 lbs. (75 kg)

Allow 2% variation in weight due to manufacturing tolerances

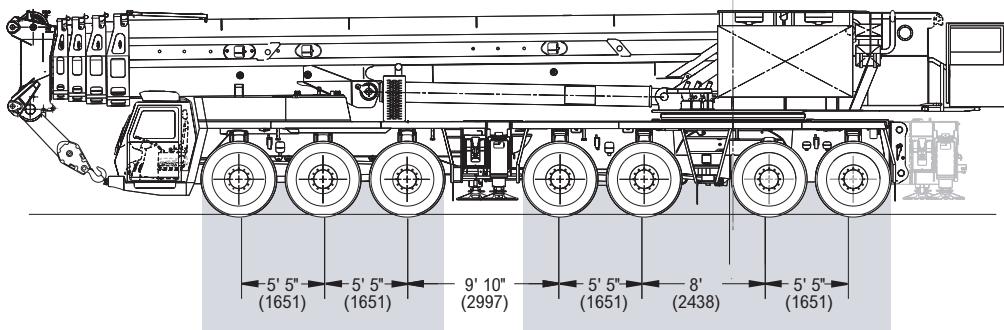
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# travel proposals

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## Boom over the front



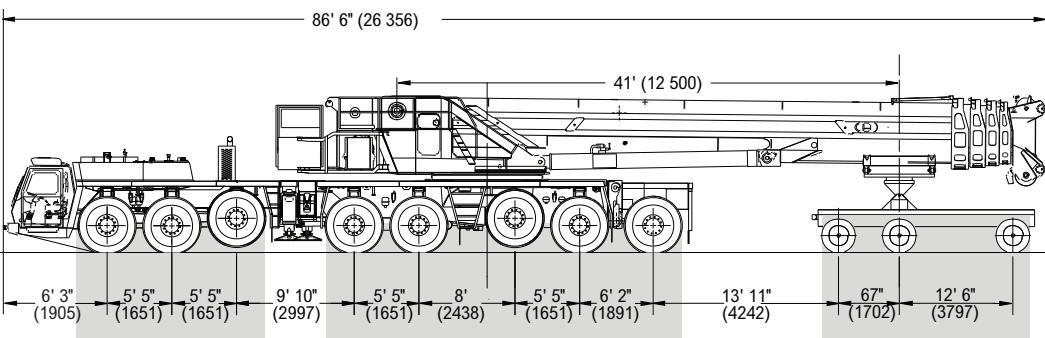
	Axes 1 - 3	Axes 4 - 7/8	Total GVW
Boom over front, rear outrigger box removed	81,768 lbs. (37 090 kg)	104,741 lbs. (47 510 kg)	186,509 lbs. (84 600 kg)
Boom over front, rear outrigger box installed	73,032 lbs. (33 127 kg)	128,311 lbs. (58 202 kg)	201,343 lbs. (91 329 kg)
Boom over front, 8th axle installed	94,607 lbs. (42 914 kg)	97,053 lbs. (44 023 kg)	191,661 lbs. (86 937 kg)

### Unit equipped with:

- 20.5 tires on aluminum rims
- Operator, 165 lbs. (75 kg)
- Welded on MEGAWINGLIFT hardware

Allow 2% variation in weight due to manufacturing tolerances

## Trailing boom (spread dolly) with axles 3 & 6 raised



	Axes 1 - 2	Axes 4, 5, 7, 8	Dolly	Total GVW
Boom in dolly over rear, rear outrigger box removed, 8th axle installed, axles 3 & 6 raised	53,793 lbs. (24 400 kg)	95,184 lbs. (43 175 kg)	52,687 lbs. (23 900 kg)	201,664 lbs. (91 475 kg)

### Unit equipped with:

- 20.5 tires on aluminum rims - axles 1 through 8
- Operator, 165 lbs. (75 kg)
- Welded on MEGAWINGLIFT hardware
- 3 axle dolly (10,000 lbs. [4563])

Allow 2% variation in weight due to manufacturing tolerances

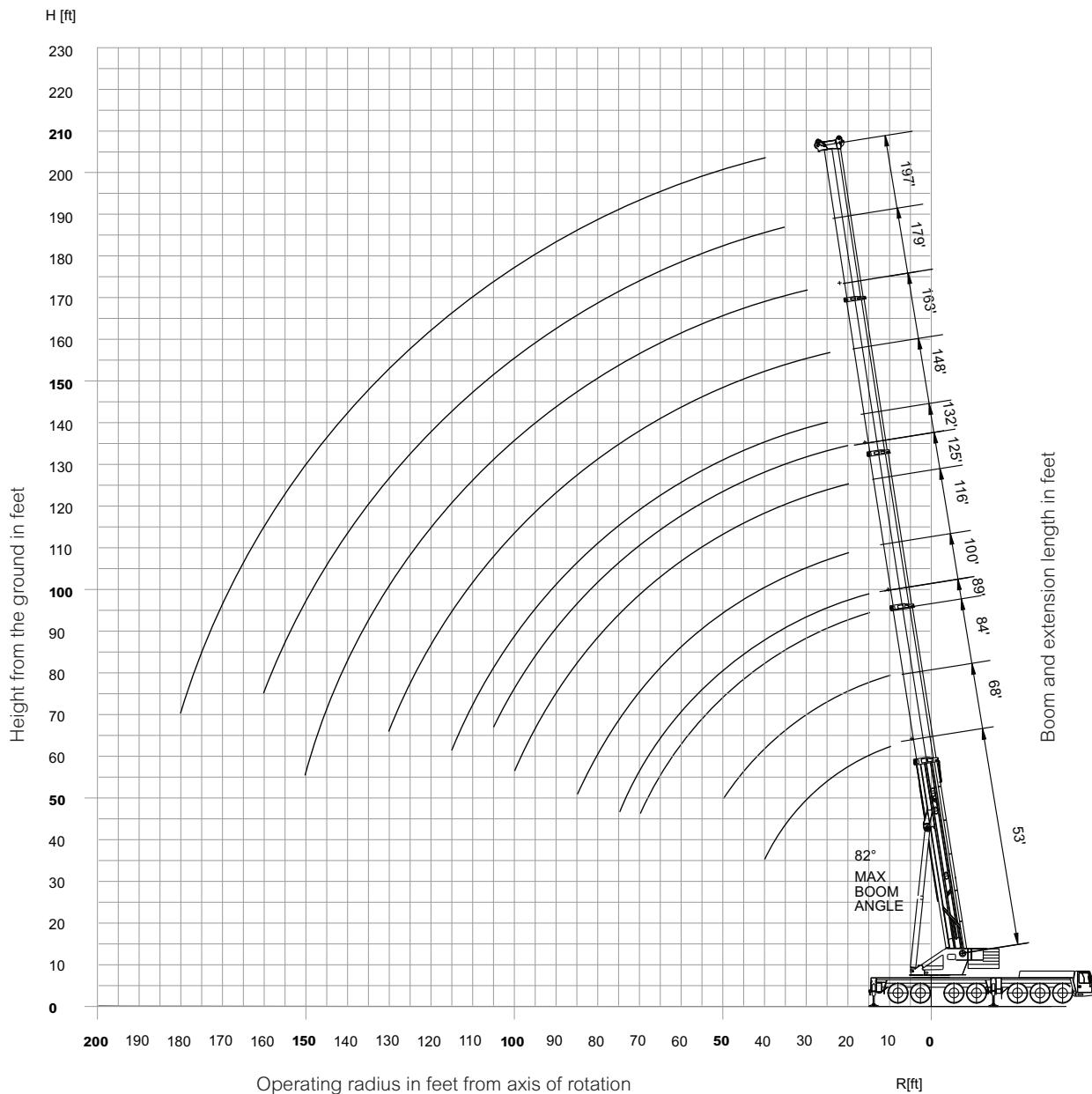
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# working range

**197 ft Main Boom**

**11**



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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.

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# load charts

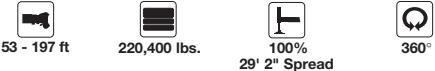
12



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	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	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	72.0	
90					87.0	78.0	90.0	79.0	75.0	71.0	67.0	
95					84.0	70.0	82.0	75.0	70.0	68.0	63.0	
100						79.0	64.0	76.0	72.0	66.0	64.0	60.0
105							59.0	70.0	69.0	62.0	60.0	57.0
110							56.0	65.0	66.0	59.0	56.0	54.0
115							61.0	62.0	56.0	53.0	51.0	
120								57.0	52.0	51.0	47.0	
125								54.0	49.0	49.0	45.0	
130								50.0	47.0	46.0	43.4	
135									46.0	44.0	41.4	
140									43.4	41.2	39.6	
145									40.6	38.6	37.6	
150									38.2	36.0	35.8	
155										33.6	33.8	
160										31.4	31.6	
165											29.4	
170											27.6	
175											25.8	
180											24.2	
185												

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

\* Over rear, 20 ft. outrigger span



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	496.0	300.0								
20	428.0	432.0	432.0	300.0	410.0	372.0	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	63.0	61.0	60.0	
105							55.0	61.0	58.0	56.0	56.0	
110							50.0	57.0	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

GMK7550

# load charts

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53 - 197 ft      176,300 lbs.      100% 2<sup>nd</sup> 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	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	200.0	300.0	296.0	232.0	228.0	204.0	181.0		
35	250.0	252.0	252.0	240.0	256.0	242.0	207.0	207.0	186.0	168.0	146.0	
40	203.0	213.0	216.0	205.0	215.0	203.0	187.0	186.0	168.0	155.0	141.0	123.0
45	176.0	180.0	170.0	179.0	174.0	160.0	168.0	164.0	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	110.0	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	94.0	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							55.0	58.0	56.0	54.0	53.0	52.0
100								53.0	53.0	51.0	50.0	48.0
105									49.0	48.0	47.0	45.0
110										46.0	45.0	43.2
115											41.0	39.6
120												36.4
125												33.6
130												31.0
135												29.2
140												26.8
145												24.6
150												22.6
155												20.8
160												18.6
165												16.8
170												15.2
175												13.8
180												12.4
												11.0
												9.8

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

\* Over rear, 20 ft. outrigger span



53 - 197 ft      132,200 lbs.      100% 2<sup>nd</sup> 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
10	634.0	624.0										
15	500.0	500.0	496.0	300.0								
20	406.0	410.0	410.0	300.0	408.0	372.0	284.0					
25	336.0	340.0	340.0	300.0	338.0	314.0	256.0	254.0				
30	268.0	276.0	278.0	254.0	262.0	244.0	226.0	228.0	204.0	181.0		
35	205.0	215.0	219.0	208.0	212.0	199.0	182.0	194.0	179.0	168.0	146.0	
40	162.0	171.0	175.0	172.0	174.0	170.0	151.0	161.0	150.0	143.0	141.0	123.0
45	141.0	145.0	145.0	142.0	144.0	145.0	135.0	136.0	133.0	127.0	121.0	116.0
50	118.0	124.0	119.0	126.0	125.0	115.0	119.0	114.0	110.0	104.0	91.0	88.0
55	106.0	107.0	109.0	108.0	108.0	100.0	106.0	101.0	96.0			
60	92.0	95.0	95.0	94.0	88.0	88.0	94.0	89.0	85.0	80.0	78.0	
65	81.0	82.0	83.0	84.0	81.0	83.0	79.0	75.0	71.0	69.0		
70	71.0	72.0	72.0	74.0	74.0	75.0	74.0	71.0	67.0	63.0	61.0	
75				64.0	66.0	66.0	67.0	66.0	64.0	60.0	56.0	55.0
80					59.0	59.0	60.0	59.0	58.0	54.0	51.0	49.0
85						53.0	54.0	53.0	52.0	49.0	46.0	44.0
90							49.0	48.0	46.0	44.0	41.0	40.0
95								43.6	44.0	43.2	41.8	40.0
100									39.6	40.2	39.2	37.8
105										36.6	35.6	34.2
110											33.2	32.2
115												29.2
120												25.2
125												22.8
130												20.6
135												16.8
140												15.0
145												13.4
150												11.8
155												9.8
160												8.2
165												7.0
170												5.8
175												4.6
												3.6

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

\* Over rear, 20 ft. outrigger span



53 - 197 ft      0 lbs.      100% 2<sup>nd</sup> 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		

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.

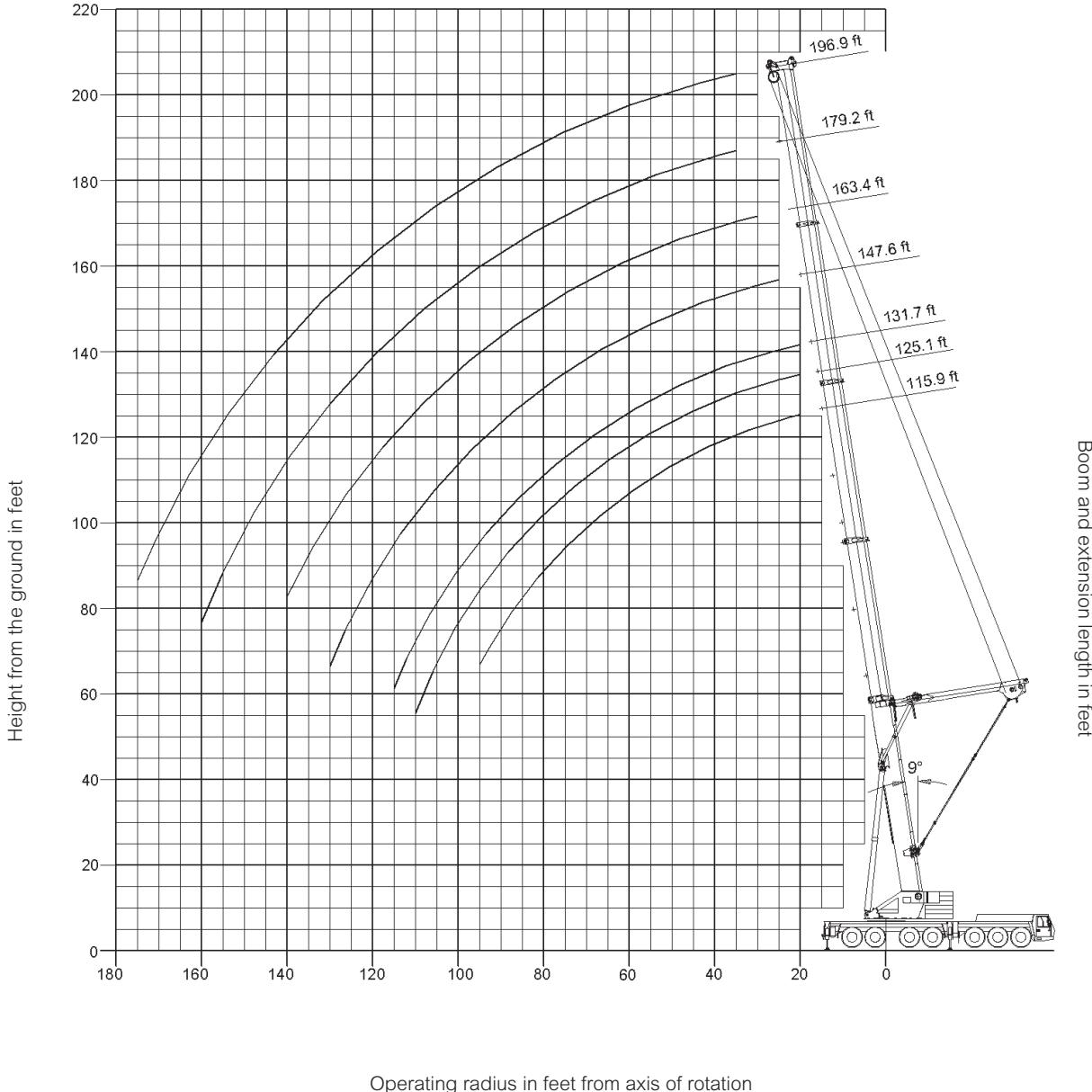
GROVE

GMK7550

# Working Range w/MegaWingLift

**197 ft. Main Boom**

**14**



**GMK7550 W/WL**

**GROVE**

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.

# load charts w/MegaWingLift

 116'-197 ft.

 352,700 lbs.

 100%  
29'-2" spread

 360°



	Pounds (thousands)						
Feet	116'	125'	132'	148'	163'	179'	197'
20	352.0	270.0	330.0				
25	324.0	254.0	310.0	298.0			
30	298.0	242.0	280.0	268.0	222.0	213.0	
35	274.0	230.0	258.0	244.0	211.0	200.0	167.0
40	242.0	219.0	240.0	226.0	200.0	186.0	158.0
45	222.0	209.0	219.0	212.0	190.0	175.0	149.0
50	200.0	195.0	197.0	193.0	181.0	164.0	142.0
55	182.0	180.0	181.0	175.0	172.0	154.0	134.0
60	166.0	167.0	166.0	163.0	161.0	146.0	127.0
65	153.0	153.0	153.0	152.0	147.0	138.0	121.0
70	140.0	141.0	140.0	139.0	138.0	130.0	115.0
75	129.0	130.0	129.0	128.0	127.0	124.0	110.0
80	120.0	120.0	120.0	119.0	118.0	116.0	104.0
85	111.0	112.0	111.0	110.0	109.0	108.0	100.0
90	104.0	104.0	104.0	103.0	102.0	100.0	96.0
95	97.0	97.0	97.0	96.0	95.0	93.0	91.0
100		91.0	91.0	90.0	89.0	87.0	87.0
105		86.0	85.0	84.0	83.0	82.0	82.0
110		73.0	80.0	79.0	78.0	77.0	77.0
115			71.0	75.0	73.0	72.0	72.0
120				70.0	69.0	68.0	68.0
125					67.0	65.0	64.0
130					58.0	61.0	60.0
135						58.0	56.0
140						54.0	53.0
145							49.0
150							46.0
155							43.6
160							38.4
165							39.0
170							36.8
175							33.8

15

GMK7550w/MW

# load charts w/MegaWingLift



116-197 ft.



264,500 lbs.

100%  
29'-2" spread

360°

16

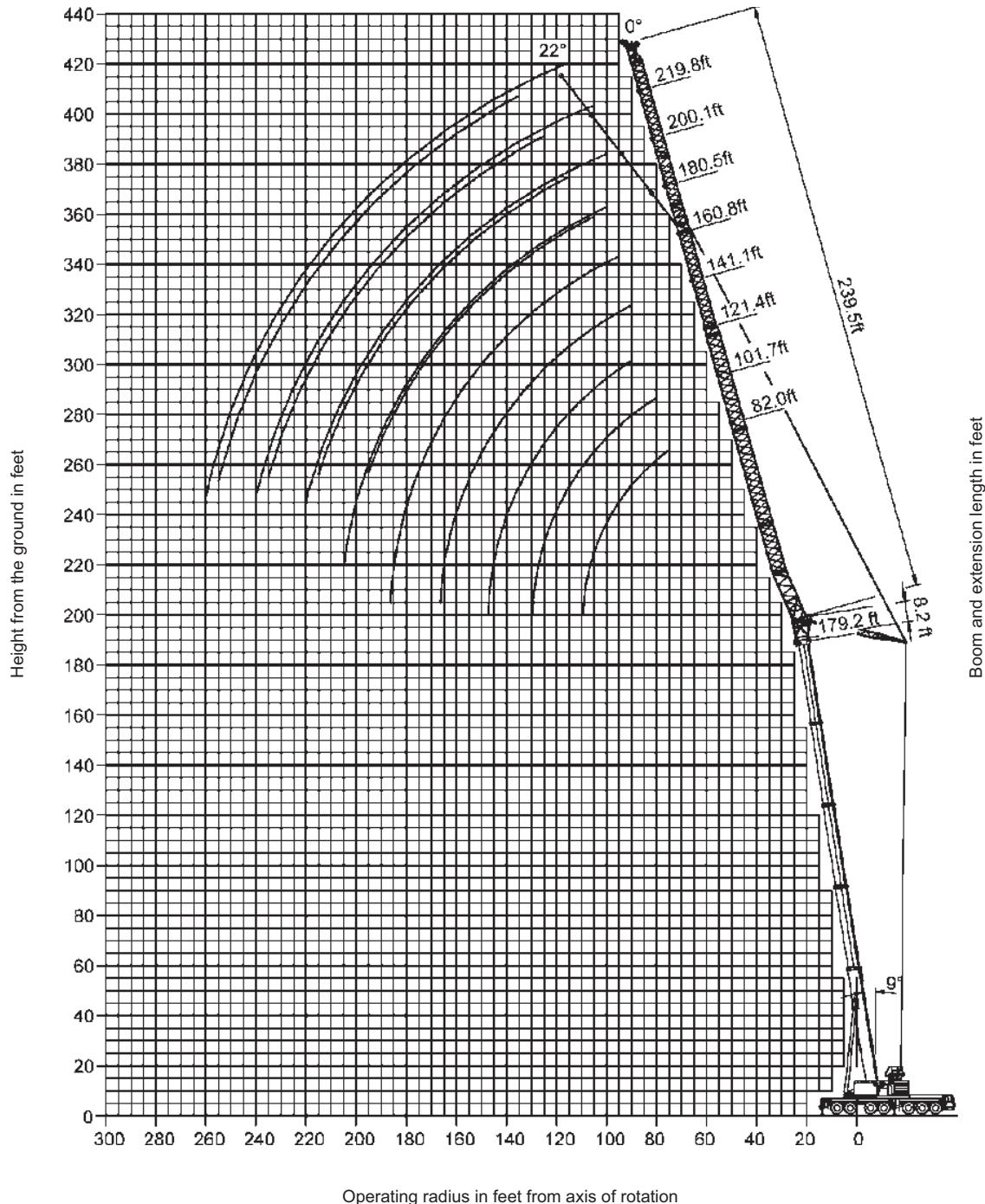
Feet	116'	125'	132'	148'	163'	179'	197'	Pounds (thousands)
20	352.0	270.0	330.0					
25	324.0	254.0	310.0	298.0				
30	298.0	242.0	280.0	268.0	222.0	213.0		
35	260.0	230.0	258.0	244.0	211.0	200.0	167.0	
40	236.0	219.0	232.0	226.0	200.0	186.0	158.0	
45	208.0	204.0	206.0	202.0	190.0	175.0	149.0	
50	185.0	186.0	186.0	185.0	180.0	164.0	142.0	
55	167.0	167.0	167.0	166.0	165.0	154.0	134.0	
60	151.0	152.0	151.0	150.0	149.0	146.0	127.0	
65	137.0	138.0	138.0	137.0	136.0	134.0	121.0	
70	125.0	126.0	125.0	124.0	123.0	122.0	115.0	
75	115.0	115.0	115.0	114.0	112.0	111.0	110.0	
80	104.0	105.0	104.0	103.0	102.0	100.0	100.0	
85	94.0	95.0	95.0	93.0	92.0	90.0	91.0	
90	86.0	87.0	86.0	85.0	84.0	82.0	83.0	
95	79.0	80.0	79.0	78.0	77.0	75.0	76.0	
100		74.0	73.0	72.0	71.0	69.0	69.0	
105			68.0	67.0	66.0	65.0	63.0	64.0
110				63.0	63.0	60.0	58.0	59.0
115				58.0	57.0	56.0	54.0	54.0
120					53.0	52.0	50.0	50.0
125					49.0	48.0	46.0	46.0
130					46.0	45.0	42.8	43.0
135						41.4	39.6	40.0
140						38.6	36.8	37.2
145							34.2	34.4
150							31.8	32.0
155							29.6	29.8
160							27.6	27.6
165								25.8
170								23.8
175								22.2

**GMK7550 w/MWL**

# working range

## Length and Type of Boom

17



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.

**GROVE**

**GMK 7550**

# load charts

18



Feet	82	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5
40	169.0	144.0							
45	160.0	140.0							
50	151.0	136.0	114.0	92.0					
55	142.0	132.0	111.0	91.0					
60	134.0	129.0	109.0	89.0	73.0				
65	128.0	125.0	106.0	88.0	72.0				
70	118.0	122.0	104.0	86.0	70.0	56.0	42.6		
75	102.0	118.0	102.0	84.0	69.0	54.0	41.4	32.6	
80	86.0	108.0	99.0	83.0	67.0	53.0	40.4	31.6	23.4
85	70.0	96.0	96.0	81.0	65.0	52.0	39.2	30.8	22.8
90		86.0	93.0	80.0	64.0	50.0	38.2	29.8	22.0
95		75.0	88.0	78.0	62.0	49.0	37.2	29.0	21.4
100		65.0	80.0	76.0	61.0	47.0	36.2	28.0	20.6
105			73.0	74.0	59.0	46.0	35.2	27.0	20.0
110			65.0	71.0	58.0	45.0	34.4	26.2	19.4
115			58.0	68.0	57.0	43.6	33.4	25.2	18.8
120			51.0	62.0	56.0	42.6	32.6	24.2	18.2
125				57.0	54.0	41.6	31.8	23.2	17.6
130				51.0	53.0	40.6	31.0	22.6	17.2
135				46.0	50.0	39.6	30.2	22.0	16.6
140					47.0	38.8	29.4	21.4	16.0
145					43.2	38.0	28.4	20.8	15.4
150					39.6	37.0	27.6	20.2	15.0
155					36.2	36.2	26.6	19.6	14.6
160						35.0	25.8	19.2	14.2
165						33.4	24.8	18.6	13.6
170						31.8	24.4	18.2	13.2
175						29.6	23.8	17.8	12.8
180							23.2	17.2	12.4
185							22.8	16.8	12.0
190							22.2	16.4	11.6
195							21.6	15.8	11.2
200								15.6	11.0
205								15.2	10.6
210								14.8	10.2
215								14.4	9.8
220									9.6
225									9.2
230									9.0
235									8.6



Feet	82	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5
40									
45	154.0								
50	145.0	125.0							
55	137.0	123.0	100.0						
60	129.0	120.0	99.0	79.0					
65	122.0	118.0	98.0	79.0					
70	117.0	116.0	97.0	79.0	63.0				
75	112.0	113.0	95.0	78.0	62.0	49.0	38.4		
80	107.0	111.0	93.0	77.0	61.0	48.0	37.6	29.6	
85	100.0	109.0	92.0	76.0	60.0	47.0	36.8	28.6	
90	81.0	105.0	90.0	75.0	59.0	46.0	36.0	27.8	21.0
95		98.0	89.0	74.0	58.0	45.0	35.0	26.8	20.4
100		87.0	88.0	73.0	57.0	44.0	34.2	26.0	20.0
105		75.0	87.0	72.0	55.0	43.2	33.6	25.0	19.4
110		62.0	81.0	71.0	54.0	42.2	32.8	24.4	18.8
115			75.0	70.0	53.0	41.4	32.0	23.8	18.2
120			67.0	69.0	52.0	40.6	31.2	23.2	17.6
125				68.0	51.0	39.8	30.6	22.6	17.2
130				64.0	50.0	39.0	29.8	22.0	16.6
135					59.0	48.0	38.0	29.2	21.4
140					53.0	47.0	37.4	28.6	21.0
145						45.0	36.6	27.8	20.4
150						43.6	35.8	27.2	20.0
155						42.2	35.2	26.4	19.4
160						40.6	34.4	25.8	18.8
165							33.6	25.0	18.4
170							33.0	24.2	18.0
175							32.4	23.4	17.6
180							31.8	22.8	17.0
185							22.4	16.6	12.0
190							22.0	16.2	11.6
195							21.4	15.8	11.2
200								21.0	15.4
205									15.0
210									14.6
215									14.2
220									13.8
225									9.2
230									9.0
235									8.6

GMK 7550

GROVE.

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.

# load charts

						Pounds (thousands)			
115.9 ft.									
81°	82	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5
50	116.0								
55	113.0	99.0							
60	107.0	99.0	80.0						
65	102.0	95.0	80.0						
70	97.0	92.0	80.0	65.0					
75	93.0	88.0	79.0	65.0	51.0				
80	89.0	84.0	77.0	64.0	51.0	40.4	32.0		
85	85.0	80.0	75.0	64.0	50.0	39.8	31.6		
90	82.0	77.0	72.0	63.0	49.0	39.2	31.2	23.8	
95	79.0	74.0	70.0	62.0	49.0	38.8	30.6	23.4	18.4
100		72.0	67.0	61.0	48.0	38.2	30.2	23.0	18.0
105		69.0	65.0	60.0	47.0	37.6	29.6	22.6	17.4
110		67.0	62.0	58.0	47.0	37.2	29.2	22.2	17.0
115		64.0	60.0	56.0	46.0	36.6	28.6	21.6	16.6
120			58.0	55.0	45.0	36.0	28.2	21.2	16.2
125			57.0	53.0	45.0	35.6	27.6	20.8	15.8
130			55.0	52.0	44.0	35.0	27.2	20.4	15.4
135				50.0	43.6	34.4	26.6	20.0	15.0
140				49.0	43.0	33.8	26.0	19.4	14.6
145				48.0	42.4	33.4	25.2	19.0	14.2
150				47.0	41.8	32.8	24.6	18.6	14.0
155					41.2	32.4	24.0	18.2	13.6
160					40.6	31.8	23.6	17.8	13.2
165					40.2	31.2	23.0	17.4	12.8
170					39.6	30.8	22.6	17.0	12.4
175						30.2	22.2	16.6	12.2
180						29.8	21.8	16.4	11.8
185						29.2	21.4	16.0	11.4
190						28.8	21.0	15.6	11.2
195							20.6	15.2	10.8
200							20.2	14.8	10.6
205							19.8	14.4	10.2
210								14.2	9.8
215								13.8	9.6
220								13.6	9.2
225								13.2	9.0
230									8.8
235									8.4
240									8.2

19

						Pounds (thousands)			
147.6 ft.									
81°	82	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5
55									
60	86.0								
65	83.0								
70	79.0	70.0							
75	75.0	67.0	57.0	45.0					
80	71.0	65.0	57.0	45.0	37.2				
85	68.0	62.0	57.0	45.0	37.2				
90	65.0	60.0	55.0	45.0	37.2	29.8	23.2		
95	62.0	58.0	54.0	45.0	37.0	29.8	23.2	18.0	
100	59.0	56.0	52.0	45.0	36.8	29.4	23.2	18.0	13.6
105	53.0	50.0	45.0	36.4	36.4	29.2	22.8	18.0	13.6
110	52.0	49.0	45.0	36.2	36.2	29.0	22.6	17.8	13.6
115	50.0	47.0	44.0	36.0	36.0	28.8	22.4	17.6	13.4
120	49.0	46.0	42.6	35.8	35.8	28.6	22.2	17.4	13.2
125		44.0	41.2	35.4	35.4	28.2	22.0	17.2	13.0
130		43.0	40.0	35.2	35.2	28.0	21.6	16.8	12.8
135		41.8	38.8	35.0	35.0	27.8	21.4	16.6	12.6
140		40.4	37.6	34.6	34.6	27.6	21.2	16.4	12.2
145			36.4	33.8	33.8	27.2	20.8	16.2	12.0
150			35.4	33.2	33.2	27.0	20.6	15.8	11.8
155				34.4	32.4	26.8	20.4	15.6	11.6
160					31.8	26.4	20.0	15.4	11.4
165					31.0	26.0	19.8	15.0	11.0
170					30.2	25.6	19.6	14.8	10.8
175					29.2	25.4	19.2	14.6	10.6
180						25.0	19.0	14.4	10.4
185						24.6	18.8	14.0	10.0
190						24.4	18.4	13.8	9.8
195						24.0	18.2	13.6	9.6
200							18.0	13.2	9.4
205							17.6	13.0	9.2
210							17.4	12.8	9.0
215							17.2	12.6	8.6
220								12.2	8.4
225								12.0	8.2
230								11.8	8.0
235								11.6	7.8
240									7.6
245									7.4

GMK 7550

# load charts

20



163.4 ft. 82-240 ft. 100% 2" Spread 360° 264,500 lbs.

Feet	82	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5
65									
70	67.0								
75	64.0	57.0							
80	62.0	57.0	45.0	37.0					
85	59.0	55.0	45.0	37.0					
90	57.0	53.0	45.0	37.0	29.2				
95	55.0	51.0	45.0	37.0	29.2	23.8	19.2		
100	53.0	50.0	45.0	37.0	29.2	23.8	19.2	14.6	
105	48.0	44.0	37.0	29.2	23.6	19.0	14.6	10.8	
110	46.0	43.2	37.0	29.2	23.6	19.0	14.6	10.8	
115	45.0	41.8	37.0	29.2	23.4	18.8	14.4	10.8	
120	43.4	40.6	36.6	29.2	23.2	18.6	14.4	10.8	
125		39.2	35.8	29.2	23.2	18.6	14.2	10.6	
130		38.0	34.8	29.2	23.0	18.4	14.0	10.4	
135		36.8	34.0	29.2	22.8	18.2	13.8	10.2	
140		35.8	33.0	28.8	22.6	18.0	13.6	10.2	
145			32.0	28.6	22.6	17.8	13.6	10.0	
150			31.0	28.2	22.4	17.6	13.4	9.8	
155			30.0	27.8	22.2	17.6	13.2	9.6	
160			29.2	27.4	22.0	17.4	13.0	9.4	
165				27.0	21.8	17.2	12.8	9.4	
170				26.2	21.8	17.0	12.6	9.2	
175				25.4	21.6	16.8	12.6	9.0	
180				24.8	21.4	16.6	12.4	8.8	
185					21.2	16.4	12.2	8.6	
190					21.0	16.2	12.0	8.4	
195					20.6	16.0	11.8	8.4	
200					20.4	16.0	11.6	8.2	
205						15.8	11.4	8.0	
210						15.6	11.4	7.8	
215						15.4	11.2	7.6	
220						15.2	11.0	7.4	
225							10.8	7.2	
230							10.6	7.0	
235							10.4	7.0	
240							10.2	6.8	
245								6.6	
250								6.4	
255								6.2	



179.2 ft. 82-240 ft. 100% 2" Spread 360° 264,500 lbs.

Feet	82	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5
70									
75	55.0								
80	55.0	45.0							
85	55.0	45.0							
90	53.0	45.0	36.6	29.8					
95	51.0	45.0	36.6	29.8	23.8				
100	49.0	45.0	36.6	29.8	23.8	19.6	15.2		
105	47.0	43.2	36.6	29.8	23.8	19.6	15.2	11.6	
110	45.0	41.8	36.6	29.8	23.8	19.4	15.2	11.6	
115	40.4	36.6	29.8	23.8	19.4	15.2	11.6	8.4	
120	39.0	36.2	29.8	23.8	19.4	15.0	11.6	8.4	
125	37.8	35.2	29.8	23.8	19.2	15.0	11.6	8.4	
130	36.4	34.0	29.8	23.8	19.2	15.0	11.4	8.2	
135	33.0	29.8	23.8	19.0	14.8	11.4	8.2		
140	32.0	29.2	23.8	19.0	14.8	11.2	8.0		
145	31.0	28.4	23.8	18.8	14.6	11.2	8.0		
150	30.0	27.4	23.8	18.8	14.6	11.0	7.8		
155		26.6	23.6	18.6	14.4	11.0	7.8		
160		25.8	23.4	18.6	14.4	10.8	7.6		
165		25.2	23.2	18.4	14.2	10.8	7.6		
170		24.4	23.0	18.4	14.2	10.6	7.4		
175			22.4	18.2	14.0	10.4	7.4		
180			21.8	18.2	13.8	10.4	7.2		
185			21.2	18.0	13.8	10.2	7.2		
190			20.4	18.0	13.6	10.2	7.0		
195				17.6	13.6	10.0	6.8		
200				17.2	13.4	10.0	6.8		
205					16.8	13.4	9.8	6.6	
210						13.2	9.6	6.6	
215						13.0	9.6	6.4	
220						13.0	9.4	6.2	
225							9.2	6.2	
230							9.2	6.0	
235							9.0	5.8	
240							8.8	5.8	
245								5.6	
250								5.6	
255								5.4	
260								5.2	

GMK 7550

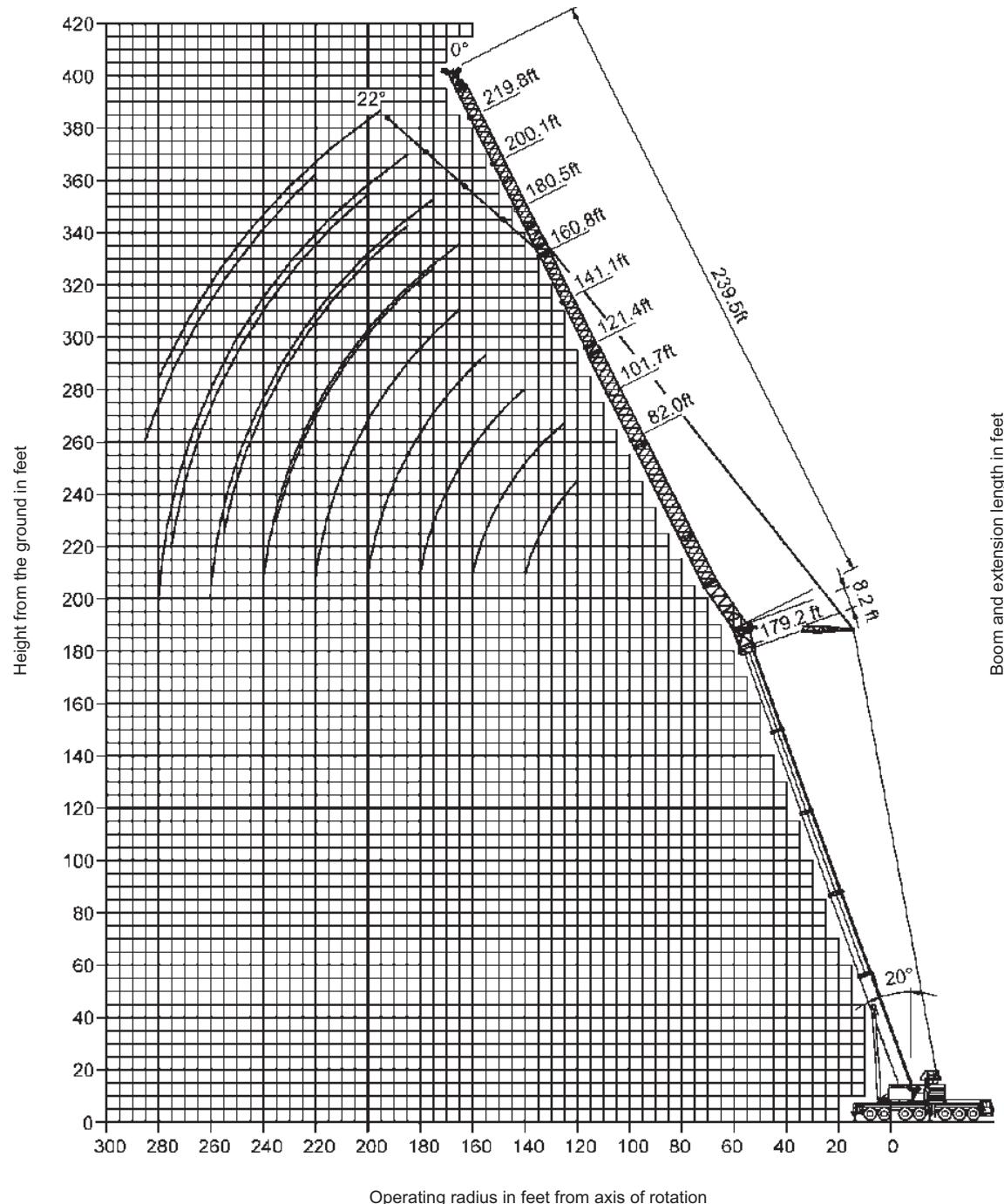
GROVE®

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.

# working range

## Length and Type of Boom

21



Height from the ground in feet  
Boom and extension length in feet

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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.

**GROVE**

# load charts

22



Feet	82	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5
60	152.0								
65	142.0								
70	134.0								
75	128.0	125.0							
80	120.0	119.0							
85	112.0	112.0							
90	104.0	105.0	100.0						
95		99.0	97.0	81.0					
100		92.0	91.0	80.0	64.0				
105		86.0	85.0	79.0	62.0				
110		78.0	80.0	77.0	61.0				
115			76.0	75.0	59.0	46.0			
120			72.0	71.0	58.0	45.0	34.4		
125			68.0	67.0	57.0	43.6	33.4	25.4	
130			61.0	64.0	56.0	42.6	32.6	24.4	
135				61.0	54.0	41.6	31.8	23.4	17.6
140					58.0	53.0	40.6	31.0	22.6
145					55.0	51.0	39.6	30.2	22.0
150					49.0	50.0	38.8	29.4	21.4
155						48.0	38.0	28.8	20.8
160						45.0	37.0	28.0	20.2
165						43.2	36.2	27.2	19.8
170						40.0	35.4	26.4	19.2
175							34.6	25.6	18.8
180							34.0	24.8	18.2
185							33.0	24.0	17.8
190							31.4	23.2	17.2
195								22.6	16.8
200								22.2	16.4
205								21.6	16.0
210									15.6
215									15.0
220									14.6
225									14.4
230									9.6
235									9.2
240									9.0
245									8.6



Feet	82	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5
70									
75	116.0								
80	110.0								
85	104.0								
90	97.0	96.0							
95	90.0	89.0	89.0						
100	85.0	84.0	83.0						
105		78.0	78.0	75.0					
110		74.0	73.0	72.0					
115		70.0	69.0	68.0	57.0				
120		66.0	65.0	64.0	56.0				
125		62.0	61.0	55.0	42.4				
130		59.0	58.0	54.0	41.6				
135		56.0	55.0	53.0	40.8	31.4			
140		53.0	52.0	52.0	39.8	30.8	22.8		
145		50.0	49.0	39.0	30.0	22.2	16.8		
150		48.0	47.0	38.2	29.4	21.6	16.2		
155		46.0	45.0	37.6	28.6	21.0	15.8		
160		43.6	43.2	36.8	28.0	20.4	15.4		
165			41.4	36.0	27.2	20.0	14.8		
170			39.6	35.2	26.4	19.4	14.4		
175			38.0	34.6	25.6	19.0	14.0		
180			36.4	33.8	24.8	18.6	13.6		
185				33.2	24.0	18.0	13.2		
190				32.6	23.6	17.6	12.8		
195				31.8	23.0	17.2	12.4		
200				30.4	22.4	16.6	12.0		
205					22.0	16.2	11.6		
210					21.6	15.8	11.2		
215					21.0	15.4	11.0		
220					20.6	15.0	10.6		
225						14.6	10.2		
230						14.4	10.0		
235						14.0	9.6		
240							9.4		
245							9.0		
250							8.8		
255							8.4		

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# load charts

70°  
 115.9 ft.  
 82-240 ft.  
 29' 2" Spread  
 100%  
 360°  
 264,500 lbs.

Feet	82	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5
85									
90	72.0								
95	69.0								
100	66.0	63.0							
105	64.0	61.0	58.0						
110	61.0	58.0	55.0						
115	59.0	56.0	53.0						
120		54.0	52.0	49.0					
125		52.0	50.0	48.0					
130		51.0	48.0	46.0					
135		50.0	47.0	44.0	43.0				
140			46.0	43.0	41.6	36.8			
145			44.0	41.6	40.4	36.8	27.8		
150			42.8	40.4	39.0	35.8	27.4		
155			41.6	39.2	37.8	34.8	26.8	20.2	
160				38.0	36.8	34.0	26.2	19.6	14.8
165				37.0	35.6	33.0	25.6	19.2	14.4
170				36.0	34.6	32.0	25.0	18.8	14.0
175				35.0	33.6	31.2	24.2	18.4	13.8
180					32.8	30.2	23.6	18.0	13.4
185					31.6	29.4	23.2	17.6	13.0
190					30.4	28.6	22.8	17.2	12.6
195					29.2	27.8	22.4	16.8	12.2
200						27.0	22.0	16.4	12.0
205						26.0	21.6	16.0	11.6
210						25.0	21.0	15.8	11.2
215						24.0	20.6	15.4	11.0
220							20.2	15.0	10.6
225							19.8	14.6	10.4
230							19.6	14.2	10.0
235							19.2	14.0	9.8
240								13.6	9.4
245								13.4	9.2
250									8.8
255									8.6
260									8.4
265									8.0

23

70°  
 147.6 ft.  
 82-240 ft.  
 29' 2" Spread  
 100%  
 360°  
 264,500 lbs.

Feet	82	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5
95									
100	51.0								
105	51.0								
110	49.0								
115	46.0	42.0							
120	44.0	40.4							
125	42.0	39.0	36.8						
130	40.2	37.6	35.6						
135		36.4	34.4	32.0					
140		35.2	33.2	30.8					
145		34.0	32.0	29.8	28.8				
150		33.0	31.0	28.8	27.8				
155			30.0	27.8	26.8	24.6			
160			29.0	27.0	25.8	24.2	21.4		
165			28.2	26.0	25.0	23.4	21.2	16.4	
170			27.4	25.4	24.4	22.6	20.8	16.2	
175			24.8	23.8	21.8	20.2	16.0	11.8	
180			24.0	23.0	21.0	19.6	15.8	11.8	
185			23.4	22.4	20.4	19.0	15.6	11.4	
190			22.8	21.6	19.6	18.4	15.2	11.2	
195			21.0	19.0	17.8	17.8	15.0	11.0	
200			20.4	18.4	17.2	17.2	14.8	10.8	
205			19.8	17.8	16.6	16.6	14.6	10.6	
210				17.2	16.0	14.2	10.2		
215					16.8	15.6	14.0	10.0	
220					16.2	15.0	13.6	9.8	
225						15.8	14.6	13.4	9.6
230							14.0	13.0	9.4
235							13.6	12.6	9.0
240							13.2	12.2	8.8
245							12.8	11.8	8.6
250								11.4	8.4
255								11.2	8.2
260								10.8	8.0
265									7.8
270									7.6
275									7.2
280									7.0

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GROVE

# load charts

24



Feet	82	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5
110									
115	39.0								
120	37.6	35.2							
125	36.2	33.8							
130	35.0	32.6							
135	33.8	31.6	29.6						
140		30.4	28.6						
145		29.4	27.6	25.4					
150		28.4	26.6	24.6					
155		27.6	25.8	24.0	23.0				
160		25.0	23.2	22.2	19.4				
165		24.4	22.4	21.4	19.4	17.2			
170		23.6	21.6	20.6	18.6	17.2			
175		23.0	21.0	20.0	18.0	16.8	13.6		
180			20.2	19.2	17.4	16.2	13.4		
185			19.6	18.6	16.6	15.6	13.2	9.6	
190			19.0	18.0	16.0	15.0	13.2	9.6	
195			18.4	17.4	15.6	14.6	12.8	9.4	
200				16.8	15.0	14.0	12.4	9.2	
205				16.2	14.4	13.4	12.0	9.0	
210				15.8	14.0	13.0	11.6	9.0	
215				15.2	13.4	12.6	11.2	8.8	
220					13.0	12.2	10.8	8.6	
225					12.6	11.6	10.4	8.4	
230					12.0	11.2	10.0	8.2	
235					11.6	10.8	9.6	8.0	
240						10.4	9.4	7.8	
245						10.0	9.0	7.6	
250						9.8	8.6	7.2	
255						9.4	8.2	7.0	
260							8.0	6.8	
265							7.6	6.6	
270							7.4	6.2	
275							7.0	6.0	
280								5.8	
285								5.4	



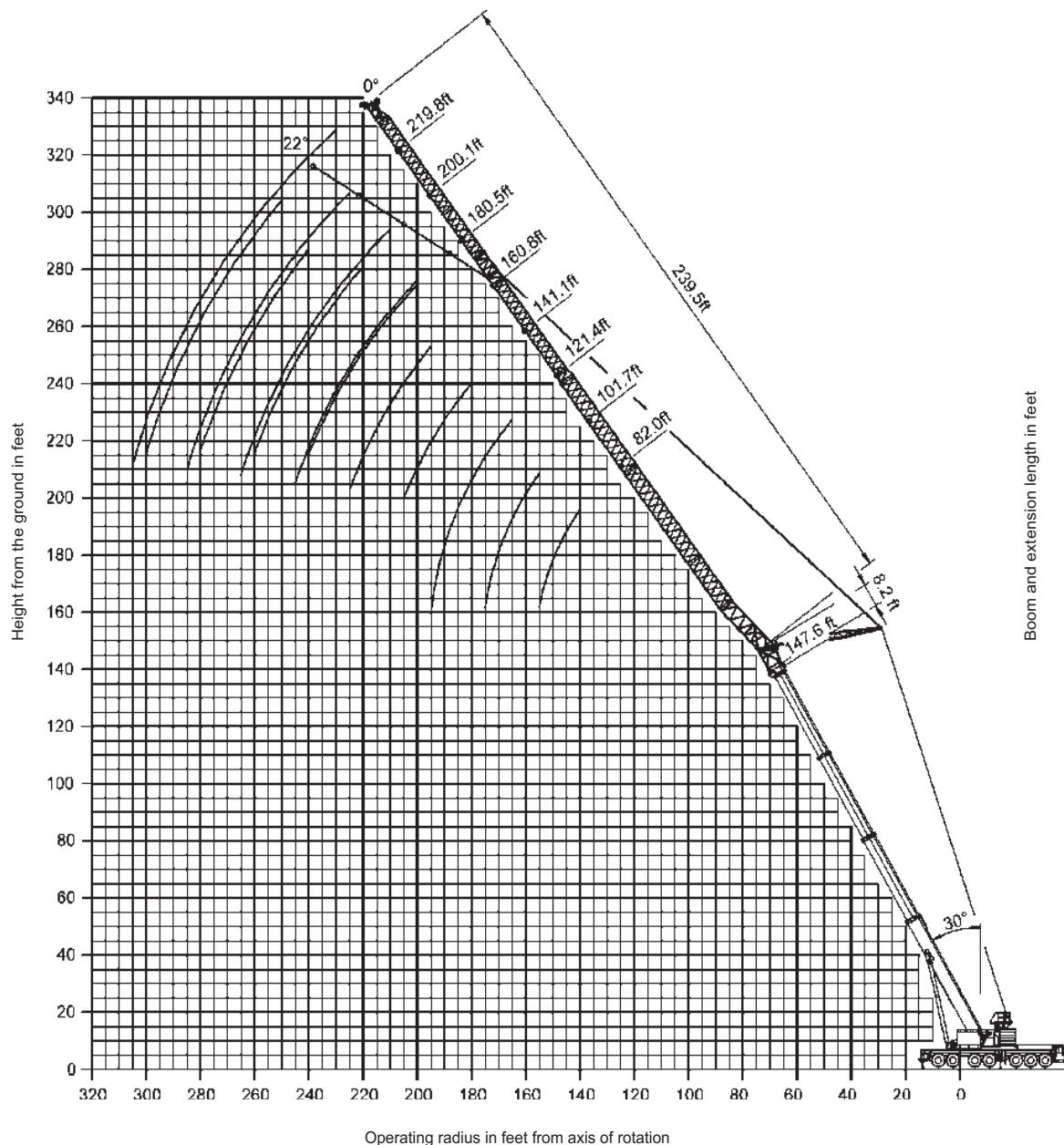
Feet	82	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5
115									
120	35.0								
125	33.6	29.8							
130	32.4	28.8							
135	31.2	27.6							
140	30.2	26.8	25.0						
145		25.8	24.4						
150		25.2	23.4						
155		24.4	22.6	20.6					
160		23.6	21.8	19.8					
165		21.2	19.2	18.2	15.4				
170		20.4	18.4	17.4	15.4				
175		19.8	17.8	16.8	14.8	12.8			
180		19.2	17.2	16.2	14.2	12.8			
185			16.6	15.6	13.8	12.4	10.6		
190			16.0	15.0	13.2	12.0	10.6		
195			15.6	14.6	12.6	11.4	10.2	7.6	
200			15.0	14.0	12.2	11.0	9.8	7.6	
205			13.6	11.6	10.6	10.6	9.4	7.4	
210			13.0	11.2	10.0	10.0	9.0	7.4	
215			12.6	10.8	9.6	9.6	8.6	7.2	
220			12.2	10.4	9.2	9.2	8.4	7.0	
225				10.0	9.0	8.0	8.0	6.6	
230				9.6	8.6	7.6	7.6	6.4	
235				9.2	8.2	7.2	7.2	6.0	
240				8.8	7.8	7.0	7.0	5.8	
245					7.4	6.6	5.4		
250					7.2	6.2	5.2		
255					6.8	6.0	4.8		
260					6.6	5.6	4.6		
265						5.4	4.4		
270						5.2	4.0		
275						4.8	3.8		
280						4.6	3.6		

GMK 7550

# working range

## Length and Type of Boom

25



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GROVE

# load charts

26



60°

52.6 ft.



82-240 ft.



100%

29' 2" Spread



360°



264,500 lbs.

Pounds (thousands)

Feet	82	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5
90	100.0								
95	94.0	93.0							
100	88.0	87.0							
105		82.0	81.0						
110		77.0	76.0						
115		73.0	72.0						
120		69.0	68.0	67.0					
125			64.0	63.0					
130			61.0	60.0					
135			58.0	57.0	57.0				
140			56.0	55.0	54.0				
145				52.0	52.0	41.6			
150				50.0	49.0	40.6			
155				48.0	47.0	39.6	30.2		
160				46.0	45.0	38.8	29.4		
165				43.2	37.8	28.6	20.8		
170					41.4	37.0	28.0	20.2	
175					39.8	36.2	27.2	19.6	
180						35.4	26.4	19.2	14.0
185						34.6	25.4	18.6	13.6
190						33.8	24.4	18.2	13.2
195						33.2	23.8	17.6	12.8
200							23.2	17.2	12.4
205							22.6	16.8	12.0
210							22.0	16.4	11.6
215							21.6	15.8	11.2
220								15.4	10.8
225								15.0	10.6
230								14.8	10.2
235								14.4	9.8
240									9.6
245									9.2
250									9.0
255									8.6

GMK 7550

GROVE®

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# load charts

27

	60°	84.3 ft.		82-240 ft.		100% 29' 2" Spread		360°		264,500 lbs.	
<b>Pounds (thousands)</b>											
Feet	82	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5		
95											
100	77.0										
105	72.0										
110	68.0										
115	64.0	63.0									
120		60.0									
125		57.0	56.0								
130		54.0	53.0								
135		51.0	50.0								
140			48.0	47.0							
145			46.0	44.0							
150			43.4	42.4							
155			41.6	40.4	39.6						
160			38.6	37.8	37.0						
165			37.0	36.2	35.4						
170			35.4	34.6	33.8						
175			34.0	33.2	32.4	28.0					
180				31.8	31.0	27.4					
185				30.6	29.8	26.8	19.4				
190				29.4	28.6	26.0	19.0				
195				28.2	27.4	25.4	18.4				
200					26.2	24.8	18.0	13.2			
205					25.2	23.8	17.6	12.8			
210					24.2	23.0	17.2	12.4			
215					23.4	22.4	16.6	12.0			
220					21.8	16.2	11.6				
225						21.0	15.8	11.2			
230						20.2	15.4	11.0			
235						19.4	15.0	10.6			
240							14.6	10.2			
245							14.4	10.0			
250							14.0	9.6			
255							13.6	9.2			
260								9.0			
265									8.8		
270									8.4		
275									8.2		

	60°	115.9 ft.		82-240 ft.		100% 29' 2" Spread		360°		264,500 lbs.	
<b>Pounds (thousands)</b>											
Feet	82	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5		
115											
120	51.0										
125	49.0										
130	47.0										
135	46.0	43.6									
140		42.2									
145		40.6	38.6								
150		38.8	37.4								
155		36.8	36.2								
160			34.4	33.2							
165			33.0	31.8							
170			31.6	30.4							
175			30.2	29.0	28.2						
180				27.8	27.0						
185				26.6	25.8	25.0					
190				25.6	24.8	23.8					
195				24.4	23.8	22.8	22.0				
200					22.8	21.8	21.2				
205					21.8	21.0	20.2	17.6			
210					21.0	20.2	19.4	17.2	12.6		
215					20.0	19.2	18.6	16.8	12.2		
220						18.4	17.8	16.4	12.0		
225						17.8	17.0	16.0	11.6		
230						17.0	16.4	15.8	11.2		
235							16.2	15.6	15.2	11.0	
240								15.0	14.6	10.6	
245								14.4	13.8	10.4	
250									13.2	10.0	
255										12.8	9.8
260										12.2	9.4
265										11.6	9.2
270										8.8	
275											8.6
280											8.4
285											8.0

**GMK 7550**

# load charts

28



Feet	82	101.7	121.4	141.1	160.8	180.5	200.1	219.8	239.5
135									
140	33.4								
145	31.6								
150	30.0								
155	28.6	26.0							
160		25.2							
165		24.6	23.0						
170		23.8	22.2						
175		23.0	21.4						
180			20.8	18.8					
185			20.2	18.2					
190			19.6	17.6					
195			18.8	17.0	16.0				
200				16.4	15.4	13.6			
205					16.0	15.0	13.2		
210						14.4	12.6	15.2	
215							14.0	12.2	12.6
220								13.4	10.6
225									13.0
230									11.2
235									10.8
240									10.4
245									10.0
250									9.6
255									
260									
265									
270									
275									
280									
285									
290									
295									
300									
305									3.6



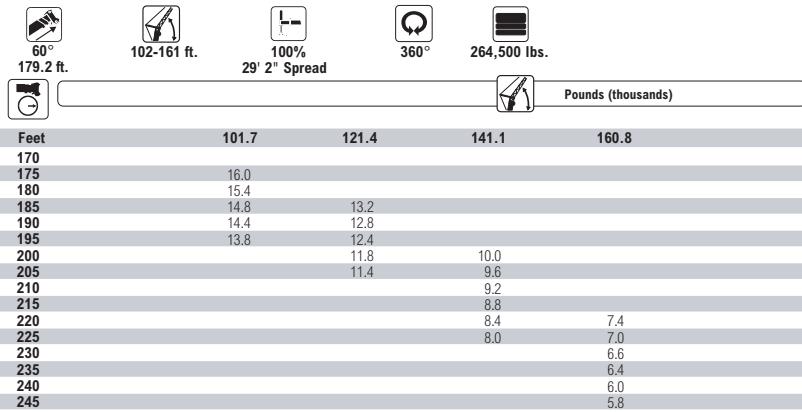
Feet	82	101.7	121.4	141.1	160.8	180.5	200.1
140							
145	25.4						
150	24.8						
155	24.0						
160	23.2	21.2					
165		20.6					
170		19.8					
175		19.2	17.6				
180		18.6	17.0				
185			16.4	14.4			
190			15.8	14.0			
195			15.4	13.4			
200			14.8	13.0			
205				12.4	11.4		
210				12.0	11.0	9.2	
215				11.6	10.6	8.8	
220				11.2	10.2	8.4	7.6
225					9.8	8.0	7.2
230					9.4	7.6	6.8
235					9.0	7.2	6.4
240					8.6	6.8	6.0
245						6.6	5.8
250						6.2	5.4
255						6.0	5.2
260						5.6	4.8
265							4.6
270							4.2
275							4.0
280							3.8

GMK 7550

GROVE®

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.

# load charts



29

GMK 7550

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GROVE

# Working Range w/MegaWingLift

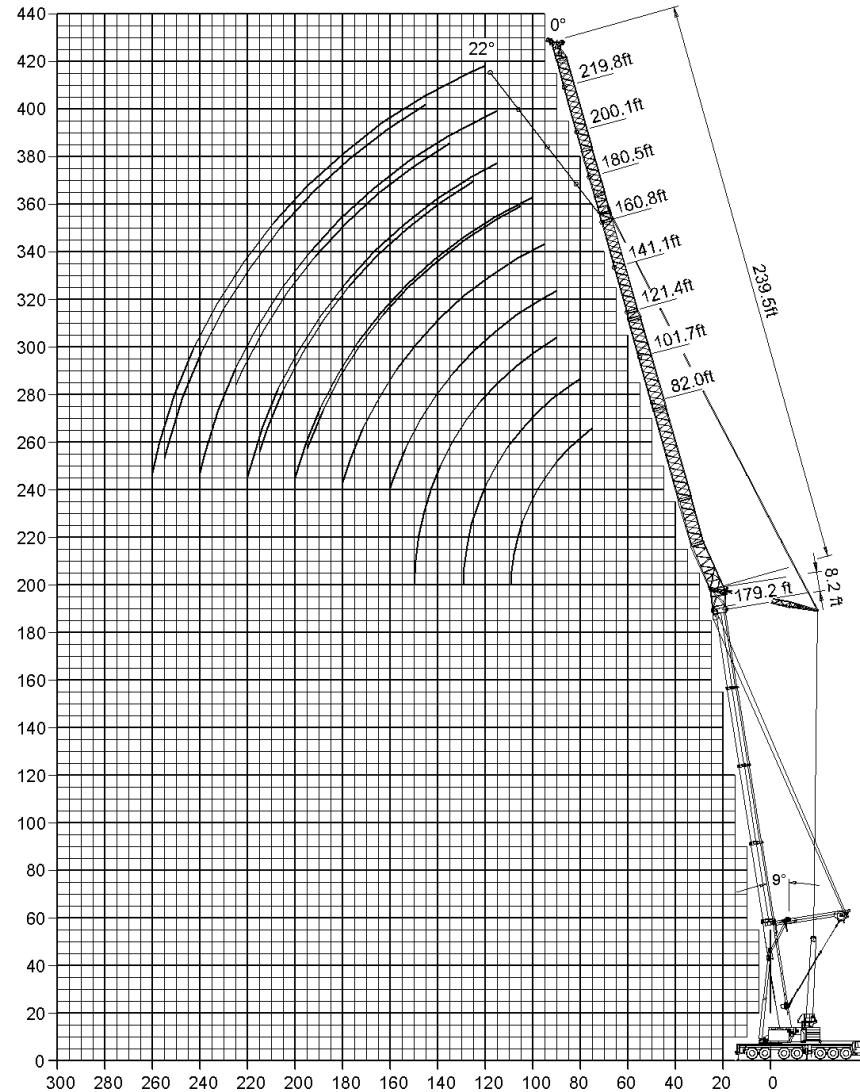
**240 ft. Luffing Jib**

**30**

Height from the ground in feet

**GMK7550w/MWL**

Boom and jib length in feet

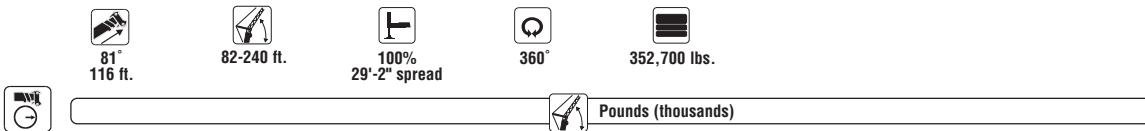


Operating radius in feet from axis of rotation

**GROVE**

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.

# load charts w/MegaWingLift



31

Feet	82'	101.7'	121.4'	141.1'	160.8'	180.5'	200.1'	219.8'	239.5'
50	141.0								
55	136.0	107.0							
60	129.0	107.0	85.0						
65	122.0	107.0	85.0						
70	115.0	107.0	85.0	69.0	58.0				
75	109.0	107.0	85.0	69.0	58.0	48.0			
80	105.0	107.0	85.0	69.0	58.0	48.0			
85	100.0	107.0	85.0	69.0	58.0	48.0			
90	97.0	105.0	85.0	69.0	58.0	48.0	39.6		
95		102.0	85.0	69.0	58.0	48.0	39.6	33.0	
100		98.0	85.0	69.0	58.0	48.0	39.6	33.0	26.2
105		93.0	85.0	69.0	58.0	48.0	39.6	33.0	26.2
110		81.0	85.0	69.0	58.0	48.0	39.6	33.0	26.2
115			84.0	69.0	58.0	48.0	39.6	33.0	26.2
120			80.0	69.0	58.0	48.0	39.6	33.0	26.2
125			72.0	69.0	58.0	48.0	39.6	33.0	26.2
130			63.0	69.0	58.0	48.0	39.6	33.0	26.2
135			68.0	58.0	48.0	39.6	33.0	26.2	
140			63.0	58.0	47.0	39.6	33.0	25.8	
145			57.0	58.0	47.0	39.6	33.0	25.4	
150			50.0	57.0	46.0	39.6	33.0	24.8	
155				55.0	46.0	39.6	32.8	24.4	
160				51.0	46.0	39.6	32.2	23.8	
165				46.0	45.0	39.6	31.6	23.2	
170				40.8	45.0	39.6	30.6	22.8	
175				44.0	39.6	29.8	22.2		
180				41.4	39.6	29.0	21.8		
185				37.6	39.6	28.0	21.4		
190				33.2	39.6	27.2	20.8		
195					37.0	26.8	20.4		
200					34.0	26.2	19.8		
205					30.8	25.8	19.4		
210						25.4	19.0		
215						24.8	18.6		
220						24.6	18.4		
225							18.0		
230							17.6		
235							17.2		
240							17.0		

Feet	82'	101.7'	121.4'	141.1'	160.8'	180.5'	200.1'	219.8'	239.5'
60	119.0								
65	113.0								
70	109.0	101.0							
75	106.0	98.0	81.0						
80	103.0	94.0	81.0	63.0					
85	102.0	91.0	81.0	63.0					
90	100.0	89.0	81.0	63.0	54.0				
95	98.0	87.0	79.0	63.0	54.0	44.0			
100	93.0	85.0	78.0	63.0	54.0	44.0	36.6	30.6	
105		84.0	76.0	63.0	54.0	44.0	36.6	30.6	24.4
110		82.0	74.0	63.0	54.0	44.0	36.6	30.6	24.4
115		78.0	72.0	63.0	54.0	44.0	36.6	30.6	24.4
120		71.0	63.0	54.0	44.0	36.6	30.6	24.4	
125		70.0	63.0	54.0	44.0	36.6	30.6	24.4	
130		68.0	62.0	54.0	44.0	36.6	30.6	24.4	
135		64.0	61.0	54.0	44.0	36.6	30.6	24.4	
140		60.0	54.0	44.0	36.6	30.6	24.4		
145		58.0	54.0	44.0	36.6	30.6	24.4		
150		55.0	54.0	44.0	36.6	30.6	24.4		
155		52.0	54.0	44.0	36.6	30.6	24.2		
160		52.0	43.8		36.6	30.6	23.8		
165		50.0	43.6		36.6	30.6	23.4		
170		48.0	43.2		36.6	30.6	23.0		
175		45.0	42.6		36.6	30.4	22.6		
180			42.2		36.6	29.6	22.0		
185			41.6		36.6	28.8	21.6		
190			41.0		36.6	28.0	21.2		
195			37.0		36.6	27.4	20.8		
200					36.6	26.6	20.4		
205					36.4	26.2	19.8		
210					33.6	25.8	19.4		
215					30.2	25.4	19.0		
220						25.0	18.6		
225						24.6	18.4		
230							18.0		
235							17.8		
240							17.4		
245							17.2		

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GROVE

GMK7550w/MW

# load charts w/MegaWingLift



81°

163 ft.



82-240 ft.

100%  
29'-2" spread

360°



352,700 lbs.

32

Feet	82'	101.7'	121.4'	141.1'	160.8'	180.5'	200.1'	219.8'	239.5'
70	98.0								
75	95.0	85.0							
80	93.0	83.0	74.0						
85	91.0	81.0	73.0						
90	89.0	79.0	72.0	60.0					
95	86.0	78.0	70.0	60.0	50.0	41.2			
100	81.0	76.0	68.0	60.0	50.0	41.2			
105		74.0	67.0	60.0	50.0	41.2	34.2	28.6	
110		71.0	66.0	59.0	50.0	41.2	34.2	28.6	
115		68.0	64.0	58.0	50.0	41.2	34.2	28.6	22.6
120		65.0	63.0	57.0	50.0	41.2	34.2	28.6	22.6
125			60.0	55.0	50.0	41.2	34.2	28.6	22.6
130			58.0	54.0	50.0	41.2	34.2	28.6	22.6
135			55.0	52.0	50.0	41.2	34.2	28.6	22.6
140			53.0	50.0	50.0	41.2	34.2	28.6	22.6
145				48.0	48.0	41.2	34.2	28.6	22.6
150				47.0	47.0	41.2	34.2	28.6	22.6
155				45.0	46.0	41.2	34.2	28.6	22.6
160				43.0	44.0	40.6	34.2	28.6	22.6
165				43.0	39.8	34.2	28.6	22.6	
170				41.6	39.2	34.2	28.6	22.6	
175				40.2	38.4	34.2	28.6	22.4	
180				38.8	37.2	34.2	28.6	22.0	
185					36.2	34.2	28.4	21.6	
190					35.0	33.8	28.0	21.2	
195					34.0	32.8	27.4	20.8	
200					32.0	26.8	20.4		
205					31.0	26.2	20.0		
210					29.8	25.8	19.6		
215					28.4	25.4	19.2		
220					27.0	25.0	18.8		
225						24.6	18.4		
230						24.2	18.2		
235						23.6	17.8		
240							17.6		
245							17.2		
250							17.0		
255							16.8		

Feet	82'	101.7'	121.4'	141.1'	160.8'	180.5'	200.1'	219.8'	239.5'
75	85.0								
80	80.0	75.0							
85	76.0	71.0							
90	73.0	68.0	64.0	55.0					
95	69.0	65.0	61.0	54.0	47.0				
100	66.0	62.0	59.0	53.0	47.0	38.0			
105	63.0	60.0	56.0	51.0	47.0	38.0			
110	60.0	57.0	53.0	50.0	47.0	38.0			
115		54.0	51.0	48.0	46.0	38.0	31.6	25.2	
120		51.0	49.0	47.0	45.0	38.0	31.6	25.2	20.8
125		49.0	47.0	45.0	45.0	38.0	31.6	25.2	20.8
130		46.0	45.0	43.0	43.4	38.0	31.6	25.2	20.8
135			43.2	41.4	42.0	38.0	31.6	25.2	20.8
140			41.4	39.8	40.6	37.4	31.6	25.2	20.8
145			39.6	38.2	39.2	36.4	31.6	25.2	20.8
150			37.8	36.6	38.0	35.4	31.6	25.2	20.8
155				35.2	36.8	34.6	31.6	25.2	20.8
160				33.8	35.4	33.4	31.2	25.2	20.8
165					34.2	31.8	30.6	25.2	20.8
170					33.0	30.4	30.0	25.2	20.8
175					31.8	29.0	28.8	25.2	20.8
180					30.6	27.4	27.6	25.0	20.8
185						26.6	26.4	24.4	20.8
190						25.6	25.2	23.8	20.8
195						24.6	24.0	23.0	20.6
200						23.8	23.2	22.4	20.2
205						22.4	21.8		
210						21.6	21.0	19.4	
215						20.8	20.4	19.0	
220						20.0	19.8	18.6	
225							19.0	18.2	
230							18.4	17.6	
235							17.8	17.0	
240							17.0	16.6	
245								16.0	
250								15.4	
255								14.8	
260								14.2	

GMK7550W/WL

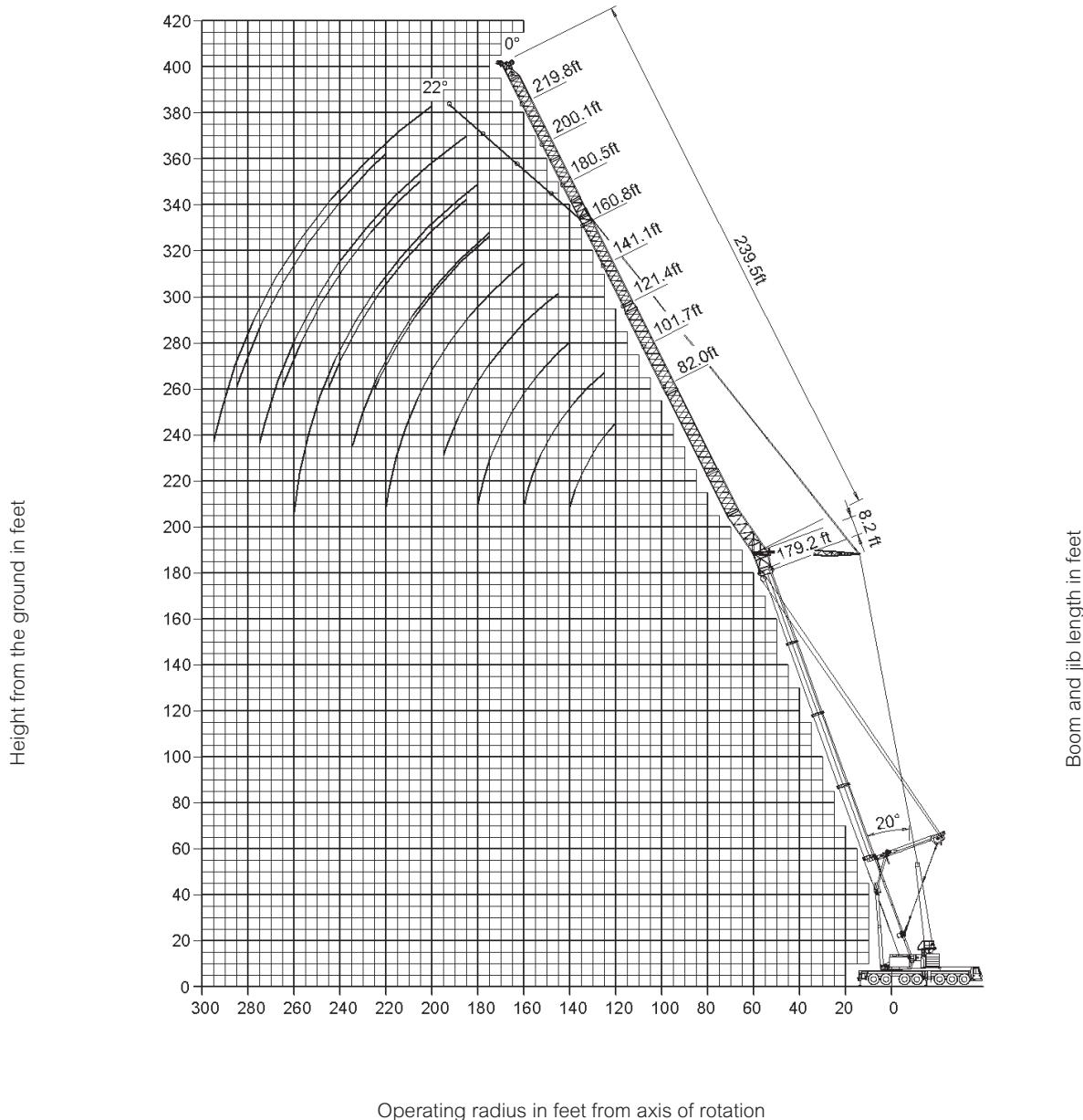
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GROVE®

# Working Range w/MegaWingLift

**240 ft. Luffing Jib**

**33**



Operating radius in feet from axis of rotation

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.

**GROVE**

**GMK 7550 w/MWL**

# load charts w/MegaWingLift



70°  
116 ft.



82-240 ft.



100%  
29'-2" spread



360°



352,700 lbs.

**34**

Feet	82'	101.7'	121.4'	141.1'	160.8'	180.5'	200.1'	219.8'	239.5'
95	98.0								
100	93.0	91.0							
105	88.0	87.0							
110	84.0	83.0							
115	80.0	79.0	78.0						
120	75.0	74.0	71.0						
125	72.0	71.0	70.0	60.0					
130	68.0	68.0	67.0	60.0					
135	66.0	65.0	64.0	59.0					
140	62.0	61.0	59.0	48.0					
145		60.0	59.0	58.0	47.0	40.4			
150		58.0	57.0	56.0	47.0	40.4			
155		55.0	54.0	54.0	47.0	40.4			
160		52.0	52.0	47.0	40.4	33.4			
165		50.0	50.0	46.0	40.4	33.2	25.2		
170		49.0	48.0	46.0	40.4	32.8	24.8		
175			46.0	45.0	40.4	32.4	24.4		
180			45.0	43.6	40.4	32.0	23.8		
185			43.2	42.2	40.4	31.6	23.4		
190			41.6	40.8	39.8	31.2	23.0		
195				39.2	38.4	30.8	22.4		
200					37.8	37.0	29.8	22.0	
205					36.6	35.8	29.0	21.4	
210						34.6	28.0	21.0	
215						33.4	27.2	20.6	
220						32.2	26.6	20.2	
225						31.2	26.0	19.8	
230							25.6	19.2	
235							25.2	18.8	
240							24.8	18.4	
245							24.4	18.0	
250								17.8	
255								17.4	
260								17.2	
265									16.8



70°  
148 ft.



82-240 ft.



100%  
29'-2" spread



360°



352,700 lbs.

Feet	82'	101.7'	121.4'	141.7'	160.8'	180.5'	200.1'	219.8'	239.5'
105	83.0								
110	79.0								
115	75.0	71.0							
120	72.0	69.0							
125	68.0	68.0	62.0						
130	65.0	65.0	61.0						
135	62.0	59.0	54.0						
140	59.0	58.0	53.0	51.0					
145	57.0	56.0	53.0	50.0					
150	55.0	54.0	53.0	49.0					
155	52.0	51.0	48.0	39.6					
160	50.0	49.0	47.0	39.6	37.0				
165	48.0	47.0	46.0	39.6	37.0				
170	46.0	45.0	44.0	39.6	37.0				
175		43.8	42.8	39.6	37.0	31.2			
180		42.2	41.2	39.6	36.6	31.2	24.0		
185			39.8	38.4	36.2	31.0	23.6		
190			38.4	37.0	35.6	30.8	23.4		
195			37.0	35.6	34.8	30.6	23.0		
200			35.6	34.4	33.4	30.4	22.6		
205			34.4	33.0	32.2	30.0	22.2		
210				32.0	31.2	29.8	21.8		
215				30.8	30.0	29.0	21.4		
220				29.8	29.0	28.2	21.0		
225					28.0	27.4	20.6		
230					27.0	26.4	20.2		
235					26.0	25.4	19.8		
240					25.2	24.6	19.4		
245					24.2	23.8	19.0		
250						23.0	18.6		
255						22.2	18.2		
260						21.4	18.0		
265							17.6		
270							17.4		
275							17.0		
280								16.8	

**GMK7550W/WL**

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**GROVE**

# load charts w/MegaWingLift



70°  
163 ft.



82-240 ft.



100%  
29'-2" spread



360°



352,700 lbs.

Pounds (thousands)

35

Feet	82'	101.7'	121.4'	141.1'	160.8'	180.5'	200.1'	219.8'	239.5'
115	72.0								
120	70.0	62.0							
125	67.0	60.0							
130	64.0	59.0							
135	61.0	58.0	52.0						
140		56.0	51.0	46.0					
145		55.0	50.0	46.0					
150		52.0	49.0	45.0					
155		50.0	48.0	44.0	42.2				
160			47.0	43.2	41.6	35.2			
165			45.0	42.2	40.8	35.2			
170			43.6	41.2	40.2	35.2			
175			42.0	39.8	39.6	35.2	32.0		
180				38.4	39.0	35.0	31.6	28.4	
185				37.2	38.0	34.6	31.2	28.2	
190				35.8	36.6	34.0	30.6	27.8	
195					35.4	33.6	30.4	27.4	22.4
200					34.0	32.8	30.0	27.0	22.2
205					32.8	31.6	29.6	26.6	22.0
210					31.6	30.4	29.2	26.4	21.6
215					30.6	29.4	28.4	26.0	21.4
220						28.4	27.4	25.6	21.0
225						27.4	26.4	25.0	20.8
230							25.4	24.4	20.4
235							24.6	23.8	20.0
240							23.8	23.2	19.6
245							22.8	22.4	19.2
250							22.0	21.6	19.0
255							21.2	20.8	18.6
260								20.0	18.2
265								19.4	18.0
270									17.6
275									17.4
280									17.0
285									16.4



70°  
179 ft.



82-240 ft.



100%  
29'-2" spread



360°

Pounds (thousands)

Feet	82'	101.7'	121.4'	141.1'	160.8'	180.5'	200.1'	219.8'	239.5'
120	57.0								
125	53.0	49.0							
130	51.0	47.0							
135	49.0	46.0							
140	47.0	43.8	41.4						
145		42.2	39.8	37.2					
150		40.6	38.4	36.0					
155		39.0	37.0	34.6					
160		37.4	35.6	33.4	34.6				
165			34.4	32.2	33.6				
170			33.0	31.0	32.6				
175			31.8	29.6	31.4	28.0			
180			30.6	28.0	29.6	26.6	25.2		
185				26.2	27.8	25.8	24.4	23.0	
190				25.0	26.6	25.0	23.8	22.4	
195				24.0	25.8	24.2	23.0	21.8	
200					25.0	23.4	22.4	21.2	19.6
205					24.2	22.8	21.6	20.6	19.2
210					23.4	22.0	21.0	20.0	18.6
215					22.6	21.4	20.4	19.4	18.2
220					21.8	20.6	19.8	18.8	17.6
225						20.0	19.2	18.2	17.2
230						19.2	18.6	17.6	16.6
235						18.6	18.0	17.2	16.2
240							17.4	16.6	15.6
245							16.8	16.2	15.2
250							16.2	15.6	14.6
255							15.6	15.2	14.2
260							15.0	14.6	13.8
265								14.2	13.2
270								13.6	12.8
275								13.2	12.4
280									12.0
285									11.6
290									11.2
295									10.8

GMK7550 W/WL

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.

**GROVE**

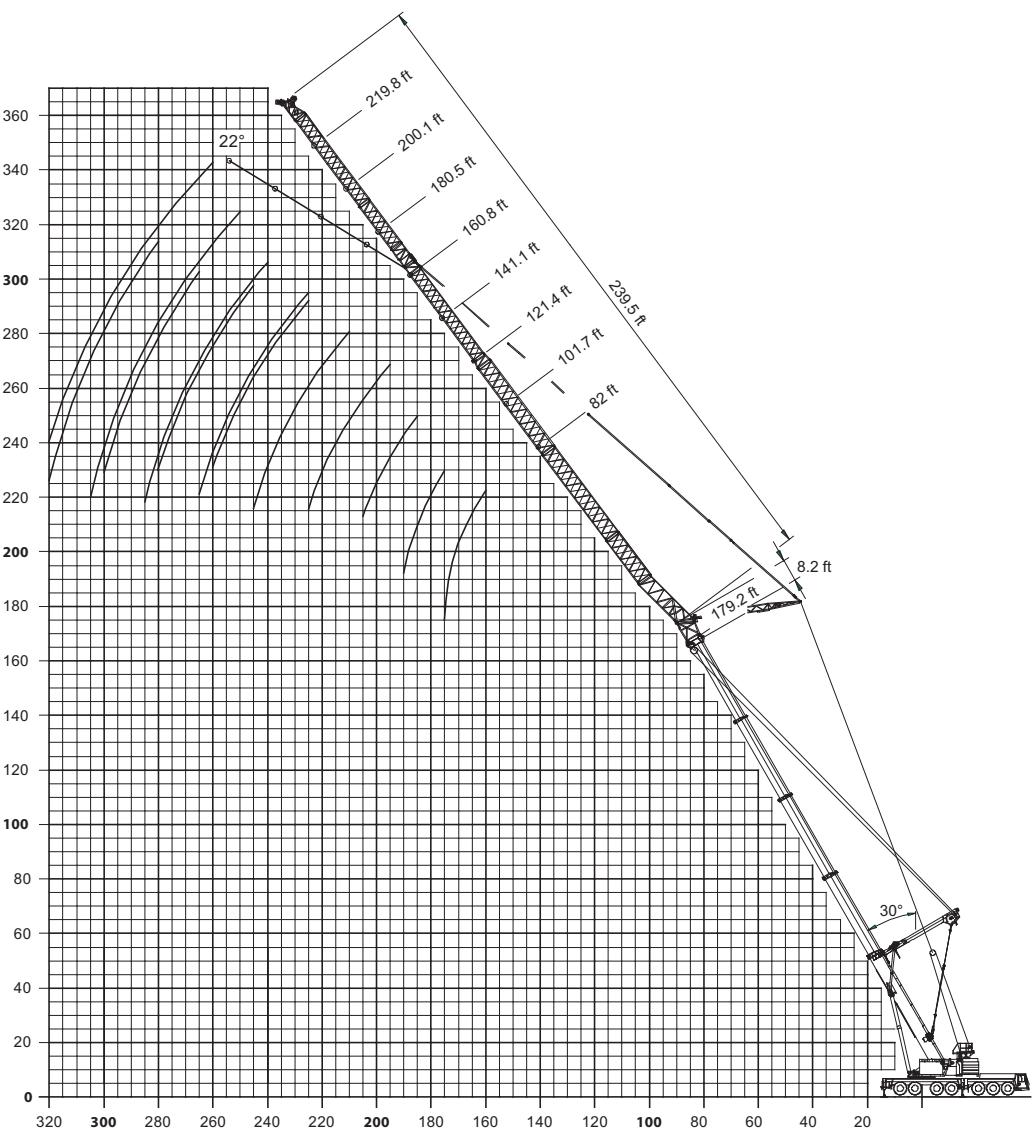
# Working Range w/MegaWingLift

**240 ft. Luffing Jib**

**36**

Height from the ground in feet

Boom and jib length in feet



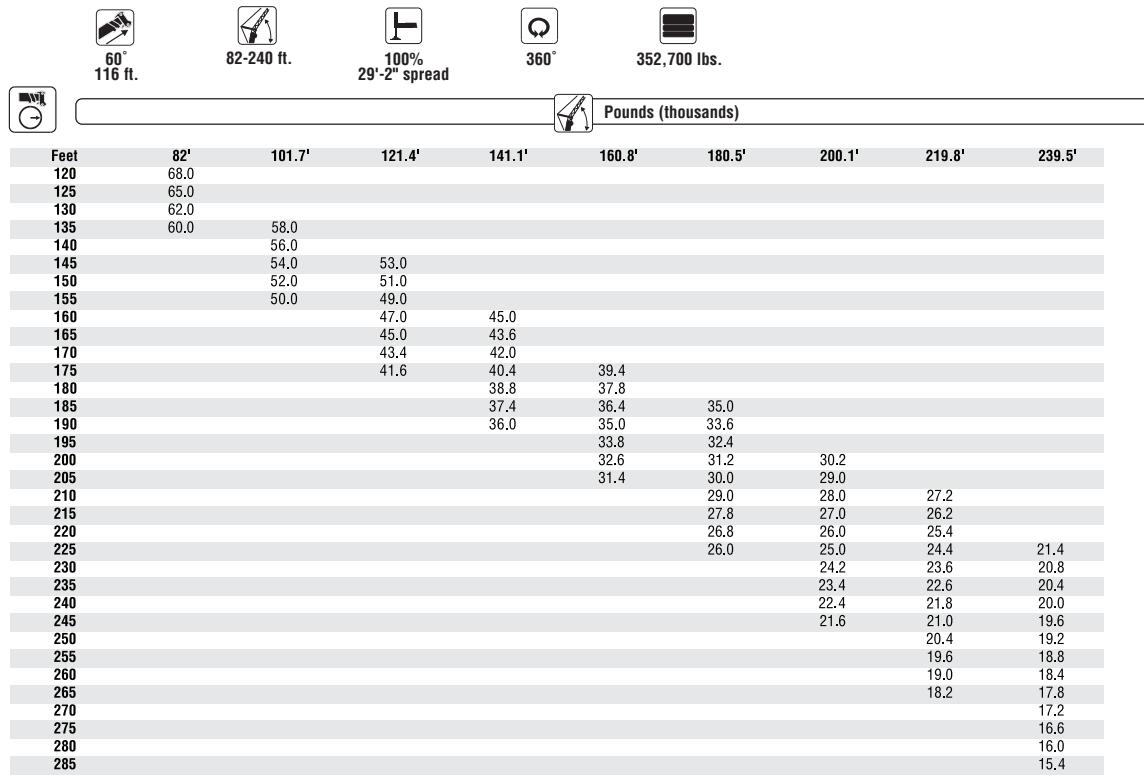
Operating radius in feet from axis of rotation

**GMK 7550w/MWL**

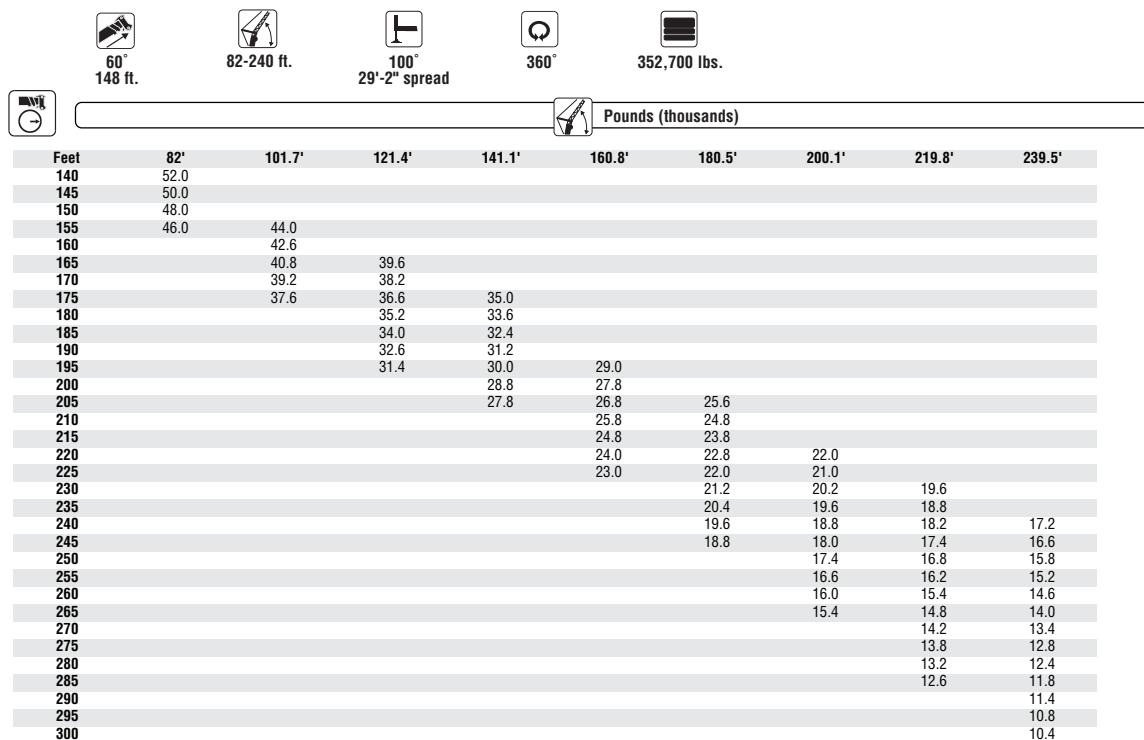
**GROVE**®

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# load charts w/MegaWingLift



37



GMK 7550 w/MWL

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**GROVE**

# load charts w/MegaWingLift

38



60°  
163 ft.



82-240 ft.



100%  
29'-2" spread



360°



352,700 lbs.



Pounds (thousands)

Feet	82'	101.7'	121.4'	141.1'	160.8'	180.5'	200.1'	219.8'	239.5'
145	47.0								
150	45.0								
155	43.6								
160	41.8	40.4							
165		38.8							
170		37.2							
175		35.6	34.6						
180		34.2	33.2						
185			32.0	30.2					
190			30.8	29.2					
195			29.6	28.0					
200			28.4	27.0	26.4				
205				26.0	25.4				
210				25.0	24.4	22.8			
215				24.0	23.6	22.0			
220				23.0	22.6	21.2			
225					21.8	20.2	19.2		
230					21.0	19.6	18.6		
235					20.2	18.8	17.8		
240					19.4	18.0	17.0	16.2	
245						17.4	16.4	15.6	
250						16.6	15.8	15.0	13.8
255						16.0	15.2	14.4	13.2
260							14.6	13.8	12.6
265							14.0	13.2	12.2
270							13.4	12.6	11.6
275							12.8	12.2	11.0
280							12.2	11.6	10.6
285								11.0	10.2
290								10.6	9.6
295								10.2	9.2
300									8.8
305									8.2
310									7.8



60°  
179 ft.



82-240 ft.



100%  
29'-2" spread



360°



Pounds (thousands)

Feet	82'	101.7'	121.4'	141.1'	160.8'	180.5'	200.1'	219.8'	239.5'
160	39.6								
165	38.0								
170	36.4								
175	34.8	33.4							
180		32.2							
185		31.0	29.0						
190		29.8	27.8						
195			25.8	23.2					
200			24.6	22.4					
205			23.6	21.6					
210			21.0	22.6					
215			20.2	21.8					
220			19.4	20.8					
225			18.8	20.0	18.6				
230				19.4	17.8				
235				18.6	17.0				
240				17.8	16.4	15.4			
245				17.2	15.8	14.6			
250					15.0	14.0	13.2		
255					14.4	13.4	12.6		
260					13.8	12.8	12.0	10.8	
265					13.2	12.4	11.6	10.2	
270						11.8	11.0	9.8	
275						11.2	10.6	9.2	
280						10.8	10.0	8.8	
285						10.2	9.6	8.4	
290							9.2	8.0	
295							8.6	7.6	
300							8.2	7.0	
305							7.8	6.6	
310								6.2	
315								6.0	
320								5.6	

GMK7550W/WL

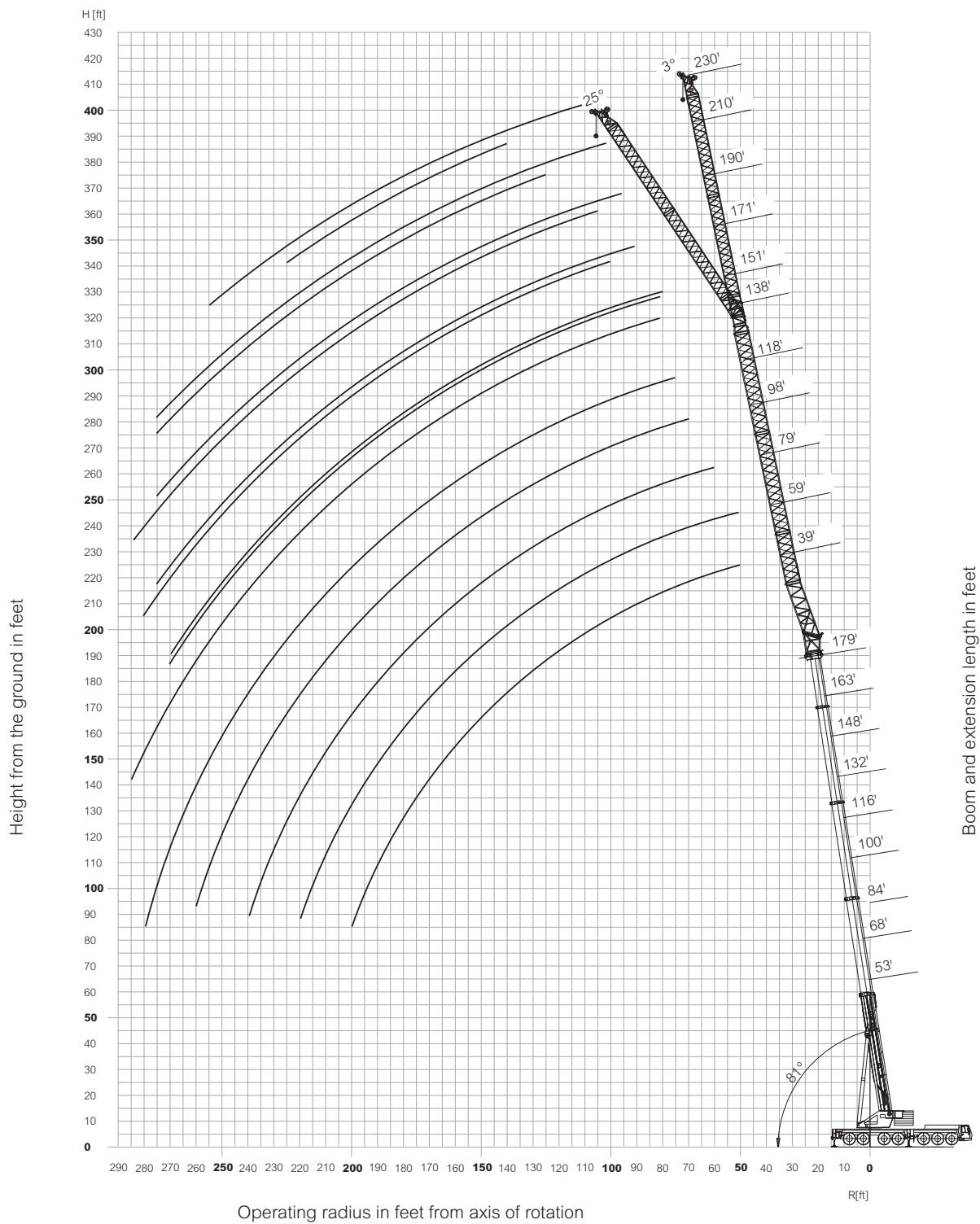
THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.

GROVE®

# working range

## 230 ft Lattice Extension

39



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.

**GROVE**

**GMK 7550**

# load charts



163 ft



39 - 230 ft.



264,500 lbs.

100%  
29' 2" Spread

360°

40

		Pounds (thousands)											
		163'						230'					
Ft	39	59	79	98	118	138	151	171	190	210	230	3°	25°
	3°	3°	3°	3°	3°	3°	3°	25°	3°	25°	3°	3°	25°
45	105.0												
50	100.0	87.0											
55	96.0	83.0	66.0										
60	90.0	80.0	63.0	51.0									
65	85.0	77.0	61.0	49.0									
70	79.0	72.0	58.0	47.0	41.6								
75	74.0	68.0	56.0	45.0	40.0	33.8	28.2						
80	70.0	64.0	53.0	43.6	38.6	32.6	27.0	25.6	23.4				
85	66.0	61.0	51.0	42.0	37.2	31.4	26.0	24.4	22.6				
90	62.0	57.0	50.0	40.4	35.8	29.8	24.8	23.6	21.6	19.0			
95	58.0	54.0	48.0	39.0	34.4	28.4	23.8	22.6	20.8	18.6	18.2	15.4	13.0
100	54.0	51.0	46.0	37.8	33.4	26.8	23.0	21.8	19.8	17.8	17.4	15.0	14.8
105	52.0	49.0	45.0	36.6	32.2	25.8	22.0	21.0	19.2	17.2	16.8	14.4	14.2
110	49.0	46.0	43.0	35.2	31.2	25.0	21.2	20.2	18.4	16.4	16.0	13.8	13.6
115	46.0	44.0	41.4	34.0	30.0	24.2	20.4	19.4	17.6	15.8	15.4	13.2	13.2
120	43.6	41.8	39.6	32.8	28.8	23.4	19.6	18.8	17.0	15.2	14.8	12.8	12.6
125	41.0	39.8	37.8	31.6	27.6	22.4	18.8	18.0	16.2	14.6	14.2	12.2	12.0
130	38.6	38.0	36.0	30.4	26.4	21.8	18.2	17.4	15.6	14.2	13.6	11.8	9.6
135	36.6	36.0	34.2	29.2	25.2	21.2	17.6	16.8	15.0	13.6	13.0	11.2	11.0
140	34.6	34.2	32.6	28.0	24.2	20.4	17.0	16.2	14.4	13.2	12.4	10.8	10.6
145	32.6	32.4	30.8	26.8	23.6	19.8	16.4	15.6	14.0	12.6	12.0	10.4	8.4
150	30.6	30.6	29.0	25.8	23.0	19.2	15.8	15.2	13.4	12.2	11.6	10.0	8.0
155	28.6	29.0	27.4	25.0	22.4	18.6	15.2	14.6	13.0	11.8	11.0	9.6	9.2
160	26.6	27.4	25.6	24.0	21.6	18.2	14.8	14.0	12.4	11.4	10.6	9.2	8.8
165	25.0	26.0	24.4	23.2	21.0	17.6	14.2	13.6	12.0	11.0	10.2	8.8	7.0
170	23.0	24.4	23.4	22.2	20.4	17.2	13.8	13.2	11.6	10.6	9.8	8.6	6.6
175	21.2	22.8	22.4	21.2	19.8	16.6	13.4	12.8	11.2	10.2	9.4	8.2	6.4
180	19.4	21.2	21.4	20.4	19.2	16.2	12.8	12.4	10.8	9.8	9.0	8.0	6.0
185	17.8	19.6	20.2	19.6	18.4	15.8	12.4	12.0	10.4	9.6	8.6	7.6	5.6
190	16.4	18.0	19.2	18.6	17.8	15.4	12.0	11.6	10.0	9.2	8.4	7.2	5.4
195	16.4	16.4	18.2	17.8	17.2	15.0	11.6	11.2	9.6	8.8	8.0	7.0	5.2
200	15.0	16.8	17.0	16.6	14.6	11.4	11.0	9.2	8.6	7.8	6.8	6.0	4.8
205	13.8	15.4	16.0	15.8	14.2	11.0	10.6	9.0	8.2	7.4	6.6	5.8	4.8
210		14.2	15.2	15.0	13.8	10.6	10.2	8.6	8.0	7.2	6.2	5.6	4.6
215		12.8	13.8	14.4	13.4	10.2	10.0	8.4	7.8	6.8	6.0	5.4	4.4
220		11.8	12.6	13.6	12.8	10.0	9.6	8.0	7.4	6.6	5.8	5.0	4.2
225		10.6	11.6	12.4	12.2	9.6	9.2	7.8	7.2	6.2	5.6	4.8	4.0
230		10.4	11.4	11.6	9.0	8.8	7.4	7.0	6.0	5.4	4.6	3.8	3.4
235		9.4	10.4	10.6	8.6	8.4	7.2	6.8	5.8	5.2	4.2	3.6	3.2
240		8.4	9.4	9.6	7.6	8.0	6.8	6.4	5.6	5.0	4.0	3.4	3.0
245		8.4	8.6	8.6	6.8	7.2	6.6	6.2	5.4	4.8	3.8	3.2	2.8
250		7.4	7.8	5.8	6.2	6.2	6.0	5.2	4.6	3.6	3.0		
255			6.6	7.0	5.0	5.2	5.6	5.8	4.8	4.4	3.4	2.8	
260			5.8	6.0	4.0	4.4	4.8	5.4	4.6	4.2	3.4	2.6	
265			5.2		3.2	3.6	4.0	4.8	4.4	3.8	3.2	2.6	
270			4.4		2.6	2.8	3.2	4.0	3.8	3.6	3.0		
275			3.8				2.4	3.2	3.0	3.4	2.8		
280			3.0				2.4	2.2	3.2	2.4			
285									2.6				

GMK 7550

GROVE®

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# load charts

 179 ft.  
 39 - 230 ft.  
 264,500 lbs.  
 100%  
29' 2" Spread  
 360°

Ft	179'												Pounds (thousands)
Ft	39.0	59.0	79.0	98.0	118.0	138.0	151	171.0	190.0	210.0	230.0		
	3°	3°	3°	3°	3°	3°	3°	3°	3°	3°	3°	3°	
45													
50	87.0	78.0											
55	83.0	75.0											
60	80.0	72.0	60.0										
65	76.0	68.0	58.0										
70	72.0	65.0	56.0	47.0									
75	68.0	61.0	54.0	46.0	38.6								
80	65.0	58.0	52.0	44.0	37.4	31.4	25.8	24.6					
85	61.0	55.0	49.0	43.0	36.2	29.8	25.0	23.8					
90	57.0	52.0	47.0	41.6	35.0	28.2	24.2	22.8	20.8				
95	54.0	50.0	45.0	40.2	34.0	27.0	23.2	22.0	20.0	17.2			
100	51.0	47.0	43.4	38.8	32.8	26.2	22.4	21.2	19.4	17.4	16.6	13.8	11.6
105	49.0	45.0	41.6	37.4	31.4	25.4	21.6	20.6	18.6	16.8	16.0	14.0	13.4
110	46.0	43.0	39.8	35.8	30.2	24.6	20.8	19.8	18.0	16.2	15.6	13.4	13.0
115	44.0	41.0	38.0	34.6	28.8	24.0	20.2	19.2	17.2	15.6	15.0	13.0	12.4
120	41.8	39.2	36.4	33.2	27.6	23.2	19.4	18.6	16.6	15.0	14.4	12.4	12.0
125	39.8	37.2	35.0	31.8	26.6	22.6	18.8	18.0	16.0	14.6	14.0	12.0	11.6
130	37.8	35.4	33.6	30.6	25.8	21.8	18.2	17.4	15.4	14.0	13.4	11.6	11.2
135	35.8	33.6	32.2	29.2	25.0	21.2	17.6	16.8	15.0	13.6	13.0	11.2	10.8
140	34.0	31.8	30.6	27.8	24.2	20.6	17.0	16.2	14.4	13.0	12.4	10.8	9.0
145	32.0	30.0	29.2	26.6	23.4	20.0	16.4	15.6	14.0	12.6	12.0	10.4	8.2
150	30.4	28.2	28.0	25.2	22.6	19.4	16.0	15.2	13.4	12.2	11.4	10.0	9.6
155	28.8	26.4	26.6	23.8	21.8	18.8	15.4	14.8	13.0	11.8	11.0	9.6	9.2
160	27.2	25.0	25.2	22.6	21.0	18.2	14.8	14.2	12.4	11.4	10.6	9.2	8.8
165	25.6	24.0	23.8	21.6	20.2	17.6	14.4	13.8	12.0	11.0	10.2	9.0	8.4
170	24.0	22.8	22.4	20.8	19.4	17.2	13.8	13.4	11.6	10.6	9.8	8.6	8.2
175	22.2	21.8	21.2	20.0	18.6	16.6	13.4	13.0	11.2	10.2	9.6	8.2	7.8
180	21.0	20.8	20.4	19.2	17.8	16.0	13.0	12.6	10.8	10.0	9.2	8.0	7.4
185	19.2	19.6	19.4	18.4	17.2	15.4	12.6	12.2	10.4	9.6	8.8	7.6	7.2
190	17.6	18.6	18.6	17.4	16.6	14.8	12.0	11.8	10.2	9.4	8.4	7.4	6.8
195	16.2	17.2	17.6	16.6	15.8	14.4	11.6	11.4	9.8	9.0	8.2	7.2	6.6
200	14.8	15.8	16.8	16.0	15.2	13.8	11.2	11.0	9.4	8.8	7.8	6.8	6.2
205	14.4	15.8	15.2	14.6	13.2	10.6	10.6	9.2	8.4	7.6	6.6	6.0	4.8
210	13.2	14.6	14.6	13.8	12.8	10.2	10.2	8.8	8.2	7.4	6.4	5.6	4.6
215	12.0	13.4	13.8	13.2	12.2	9.8	9.8	8.4	7.8	7.0	6.2	5.4	4.4
220	10.8	12.2	13.0	12.8	11.6	9.2	9.2	8.2	7.6	6.8	6.0	5.2	4.2
225	11.2	12.0	12.2	11.2	8.8	8.8	7.8	7.4	6.6	5.8	5.0	4.0	3.6
230	10.0	10.8	11.6	10.6	8.4	8.4	7.4	7.0	6.2	5.4	4.8	3.8	3.4
235	9.0	9.8	10.6	10.2	7.8	8.0	7.0	6.8	6.0	5.2	4.6	3.6	3.2
240	8.2	8.8	9.6	9.6	7.4	7.6	6.6	6.4	5.6	5.0	4.2	3.4	3.0
245	7.8	8.6	8.8	8.8	6.8	7.2	6.2	6.2	5.4	4.8	4.0	3.2	2.8
250	7.0	7.8	7.8	5.8	6.2	5.8	5.8	5.8	5.0	4.6	3.8	3.2	2.6
255	6.0	6.8	7.0	5.0	5.4	5.4	5.6	4.8	4.6	3.6	3.0	2.4	
260	5.2	6.0	6.2	4.2	4.4	4.8	5.2	4.4	4.4	3.2	2.8		
265		5.2	5.4	3.4	3.6	4.0	4.8	4.0	4.2	3.0	2.6		
270		4.4	4.6	2.6	2.8	3.2	4.0	3.6	3.8	2.8	2.6		
275		3.8	3.8			2.4	3.2	2.8	3.6	2.6	2.4		
280		3.0	3.2			2.4		3.2					
285		2.4							2.6				

41

GMK 7550

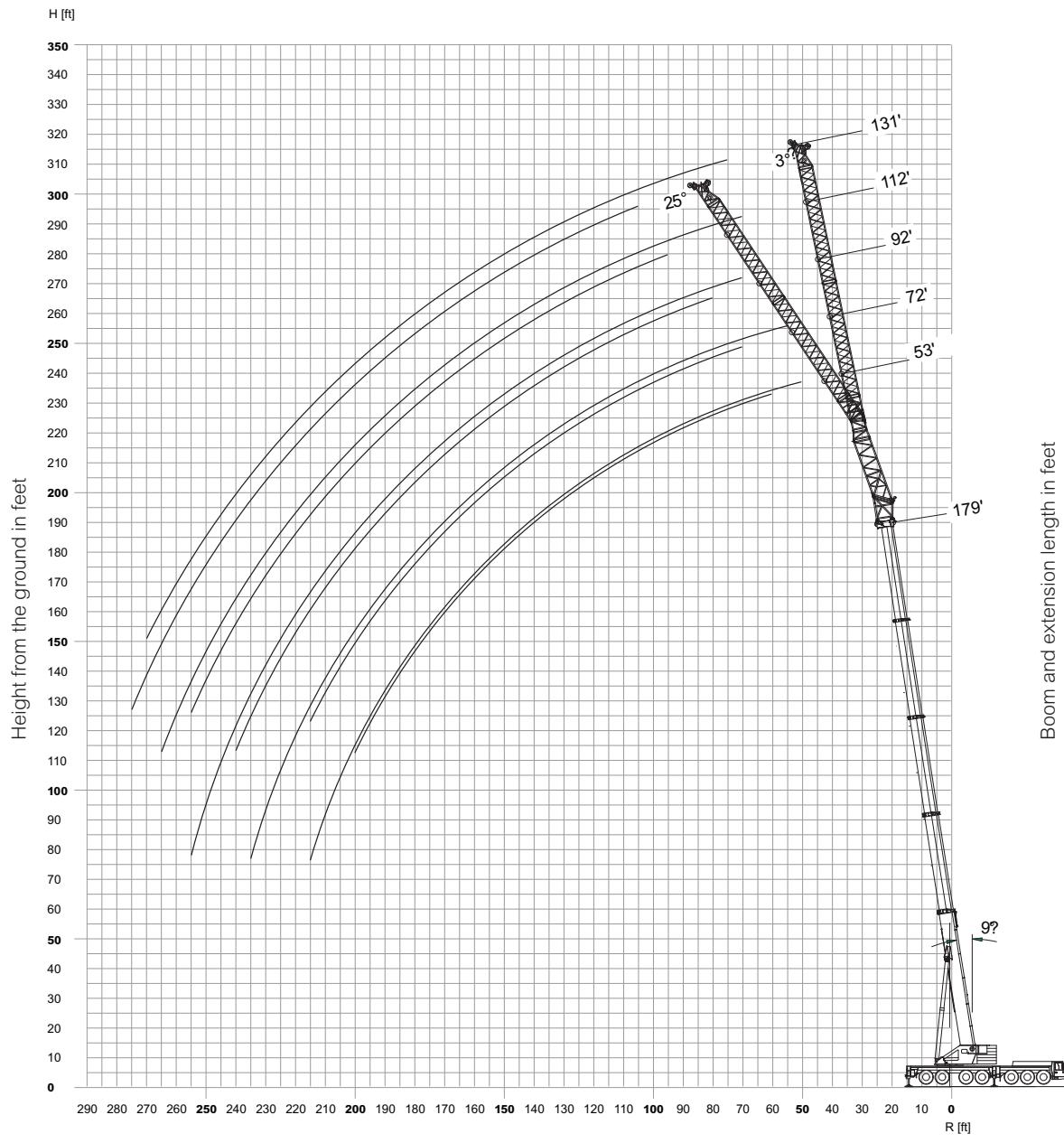
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**GROVE**

# working range

## Special offset lattice extension

42



GMK 7550

GROVE®

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# load charts

 163 ft.    
  52.5 - 131.2 ft.    
  264,500 lbs.    
  100%  
29' 2" Spread    
  360°

Ft	Pounds (thousands)											
	52.5		72.2		91.9		111.6		131.2			
	3°	25°	3°	25°	3°	25°	3°	25°	3°	25°		
45	97.0											
50	94.0		74.0									
55	88.0	79.0	71.0									
60	82.0	77.0	69.0		54.0		43.2					
65	78.0	74.0	66.0		52.0		41.6					
70	73.0	71.0	63.0	51.0	50.0		40.0		34.6			
75	69.0	67.0	61.0	49.0	48.0		38.4		33.2			
80	65.0	64.0	58.0	48.0	47.0	36.4	37.0		32.0			
85	61.0	60.0	55.0	46.0	45.0	35.4	35.6		30.6			
90	57.0	57.0	53.0	45.0	43.4	34.4	34.4	25.0	29.0			
95	54.0	53.0	50.0	43.8	42.0	33.4	33.2	24.4	27.4			
100	51.0	51.0	48.0	42.8	40.6	32.6	32.2	23.8	26.0	19.8		
105	48.0	48.0	45.0	41.6	39.2	31.6	31.0	23.2	25.2	19.2		
110	46.0	46.0	43.4	40.4	38.0	30.6	29.8	22.6	24.4	18.8		
115	43.2	43.4	41.4	39.0	36.6	29.4	28.6	22.0	23.6	18.2		
120	41.2	41.2	39.4	37.8	35.4	28.2	27.4	21.4	22.8	17.8		
125	39.0	39.2	37.4	36.4	34.2	27.0	26.2	21.0	22.2	17.4		
130	37.0	37.2	35.4	35.2	33.0	26.6	25.2	20.4	21.4	17.0		
135	35.0	35.2	33.4	33.6	31.8	26.0	24.4	20.0	20.8	16.6		
140	32.8	33.4	31.6	31.8	30.6	25.4	23.8	19.6	20.2	16.2		
145	31.2	31.4	29.6	30.0	29.2	24.8	23.0	19.2	19.6	15.8		
150	29.4	29.8	27.8	28.2	27.6	24.2	22.4	18.8	19.0	15.4		
155	27.8	28.0	26.0	26.4	26.2	23.6	21.8	18.4	18.6	15.0		
160	26.0	26.4	24.4	25.0	24.8	23.0	21.2	18.0	18.0	14.8		
165	24.4	24.8	23.4	23.8	23.2	22.4	20.6	17.6	17.6	14.4		
170	22.6	23.2	22.2	22.8	21.8	21.8	19.8	17.4	17.0	14.2		
175	20.6	21.2	21.2	21.6	20.8	21.2	19.2	17.0	16.6	13.8		
180	18.8	19.4	20.0	20.4	19.8	20.4	18.6	16.8	16.2	13.6		
185	17.2	17.6	19.0	19.4	19.0	19.6	17.8	16.4	15.8	13.4		
190	15.6	16.0	17.4	18.2	18.0	18.6	17.2	16.2	15.4	13.2		
195	14.0		15.8	17.0	17.0	17.6	16.4	15.6	15.0	13.0		
200	12.6		14.4	15.4	16.0	16.8	15.8	15.2	14.6	12.6		
205			13.0		14.6	15.8	15.0	14.8	14.2	12.4		
210			11.8		13.2	15.0	14.2	14.2	13.8	12.2		
215			10.6		12.0	13.6	13.2	13.8	13.2	12.0		
220			9.4		10.8	12.2	12.0	13.2	12.4	11.6		
225					9.8		11.0	12.8	11.8	11.4		
230					8.8		9.8	11.6	10.8	11.2		
235					7.8		8.8	10.4	9.8	11.0		
240					6.8		7.8	9.2	8.8	10.6		
245							6.8		7.8	10.2		
250							6.0		6.8	9.0		
255							5.0		6.0	7.8		
260							4.2		5.2	6.8		
265									4.4			
270									3.6			
275												
280												

43

GMK 7550

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GROVE

# load charts



179 ft



53 - 131ft.



264,500 lbs.

100%  
29' 2" Spread

360°

44

		Pounds (thousands)									
		52.5		72.2		91.9		111.6		131.2	
Ft	Ft	3°	25°	3°	25°	3°	25°	3°	25°	3°	25°
45											
50	81.0										
55	77.0			67.0							
60	73.0	71.0		65.0							
65	70.0			67.0	61.0						
70	66.0	64.0		58.0	50.0	49.0		40.4			
75	63.0	61.0		55.0	48.0	47.0		39.0		32.2	
80	59.0	57.0		53.0	47.0	46.0	36.0	37.8		30.8	
85	56.0	54.0		50.0	46.0	44.0	35.0	36.6		29.0	
90	53.0	52.0		48.0	44.0	42.6	34.2	35.6		27.6	
95	50.0	49.0		46.0	43.0	41.2	33.2	34.4	25.6	26.6	
100	47.0	47.0		43.6	41.6	39.6	32.4	33.4	25.0	25.8	
105	45.0	45.0		41.6	40.0	38.0	31.6	32.4	24.4	25.0	19.2
110	43.0	42.6		39.6	38.4	36.4	30.8	31.6	23.8	24.2	18.6
115	40.8	40.6		38.0	36.8	34.8	30.0	30.6	23.2	23.4	18.2
120	38.8	38.6		36.4	35.2	33.2	29.0	29.4	22.8	22.8	17.8
125	36.6	36.8		34.8	33.4	31.8	28.0	28.2	22.2	22.0	17.4
130	34.6	34.8		33.0	31.6	30.2	27.0	26.8	21.8	21.4	17.0
135	32.8	32.8		31.4	29.8	28.6	26.0	25.6	21.4	20.8	16.6
140	30.8	31.0		29.8	28.2	27.2	25.2	24.2	20.8	20.4	16.2
145	28.8	29.0		28.4	27.0	25.6	24.4	23.2	20.4	19.8	15.8
150	27.0	27.2		26.8	25.8	24.4	23.6	22.4	20.0	19.2	15.6
155	25.2	25.4		24.8	24.8	23.4	23.0	21.6	19.8	18.6	15.2
160	24.0	24.2		23.8	23.6	22.4	22.2	20.8	19.4	18.2	14.8
165	22.8	23.2		22.4	22.6	21.4	21.4	19.8	19.0	17.6	14.6
170	21.8	22.0		21.2	21.6	20.6	20.6	19.0	18.6	17.0	14.4
175	20.6	20.8		20.2	20.6	19.6	19.8	18.4	18.0	16.6	14.0
180	19.4	19.6		19.2	19.6	18.6	18.8	17.6	17.4	16.0	13.8
185	18.0	18.4		18.2	18.6	17.8	18.0	16.8	16.8	15.6	13.6
190	16.4	17.0		17.4	17.8	17.0	17.4	16.2	16.2	15.0	13.2
195	15.0	15.4		16.4	16.8	16.2	16.6	15.4	15.6	14.4	13.0
200	13.6	14.0		15.0	15.8	15.4	15.8	14.6	15.0	13.8	12.8
205	12.2			13.8	15.0	14.6	15.0	14.0	14.4	13.2	12.6
210	11.0			12.4	13.6	13.8	14.4	13.2	13.8	12.6	12.4
215	9.8			11.2	12.2	12.8	13.6	12.6	13.2	12.0	12.2
220				10.0		11.6	12.8	12.0	12.6	11.4	11.8
225				9.0		10.4	11.8	11.2	12.0	10.8	11.4
230				7.8		9.4	10.6	10.0	11.4	10.4	11.0
235				6.8		8.4	9.4	9.0	10.8	9.8	10.4
240						7.4	8.2	8.0	9.8	8.8	10.0
245						6.4		7.2	8.6	7.8	9.4
250						5.4		6.2	7.6	7.0	9.0
255						4.6		5.4	6.6	6.0	8.4
260								4.6		5.2	7.4
265								3.8		4.4	6.4
270										3.6	5.4
275											4.4
280											

GMK 7550

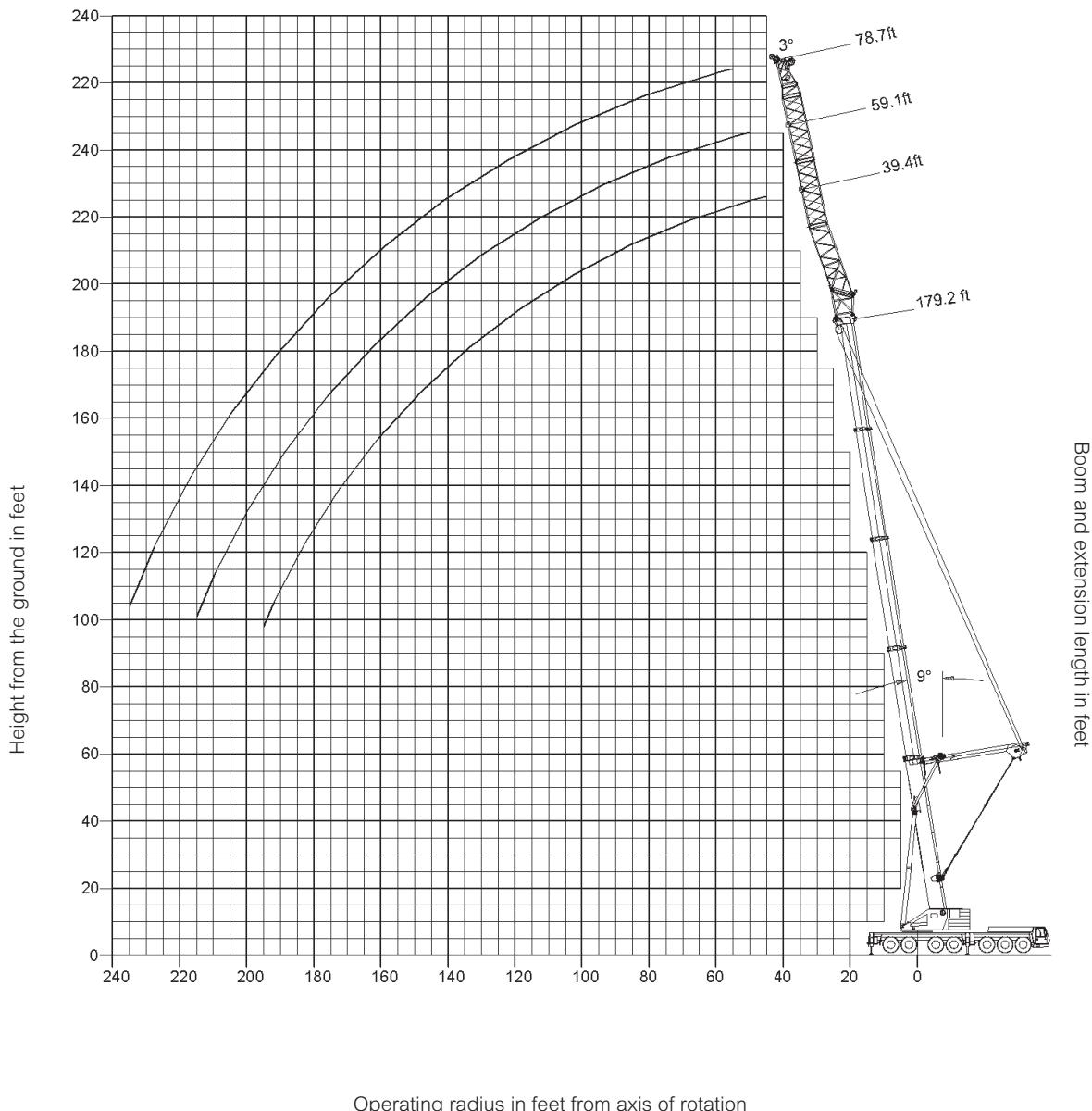
GROVE®

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# Working Range w/MegaWingLift

**78.7 ft. Lattice Extension Jib**

**45**



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**GROVE**

**GMK7550 w/MWL**

# load charts w/MegaWingLift

163-179 ft.

39.4-78.7 ft.

352,700 lbs.

29'-2" spread  
100°

360°

**46**

		Pounds (thousands)					
Feet		163'			179'		
Feet	39.4'	59.1'	78.7'	39.4'	59.1'	78.7'	
	3°	3°	3°	3°	3°	3°	
40	114.0						
45	107.0	86.0		100.0			
50	100.0	81.0	66.0	94.0	78.0		
55	95.0	77.0	63.0	88.0	74.0	62.0	
60	90.0	73.0	61.0	83.0	69.0	59.0	
65	85.0	69.0	58.0	79.0	65.0	56.0	
70	81.0	65.0	55.0	74.0	62.0	52.0	
75	77.0	62.0	52.0	71.0	58.0	50.0	
80	73.0	59.0	49.0	68.0	55.0	48.0	
85	69.0	56.0	47.0	65.0	52.0	45.0	
90	67.0	53.0	45.0	62.0	50.0	43.2	
95	64.0	51.0	43.2	59.0	48.0	41.4	
100	62.0	49.0	41.4	56.0	46.0	39.8	
105	59.0	47.0	39.4	54.0	43.8	38.2	
110	57.0	45.0	38.0	52.0	42.2	36.6	
115	55.0	43.4	36.8	49.0	40.8	35.0	
120	53.0	41.8	35.4	47.0	39.4	33.6	
125	51.0	40.2	34.2	46.0	37.8	32.2	
130	49.0	39.0	32.8	44.0	36.4	30.8	
135	47.0	37.8	31.4	43.0	35.0	29.4	
140	46.0	36.6	30.4	41.6	33.8	28.0	
145	45.0	35.4	29.2	40.2	32.4	26.6	
150	43.4	34.2	28.0	38.8	31.2	25.8	
155	40.8	33.2	27.0	37.8	29.8	25.0	
160	38.2	32.4	25.8	36.8	28.6	24.2	
165	35.6	31.4	24.6	35.8	27.4	23.6	
170	33.4	30.6	23.8	34.4	26.6	22.8	
175	31.2	29.8	23.2	32.2	26.0	22.0	
180	29.2	28.8	22.6	30.2	25.2	21.4	
185		28.0	22.0	28.2	24.6	20.8	
190		27.0	21.4	26.4	23.8	20.2	
195		25.4	20.8	24.6	23.2	19.6	
200		23.6	20.2		22.8	19.2	
205			19.8		22.2	18.6	
210			19.4		21.2	18.0	
215			19.0		19.8	17.6	
220			18.4			17.2	
225						16.8	
230						16.4	
235						16.0	

GMR7550MW/MW

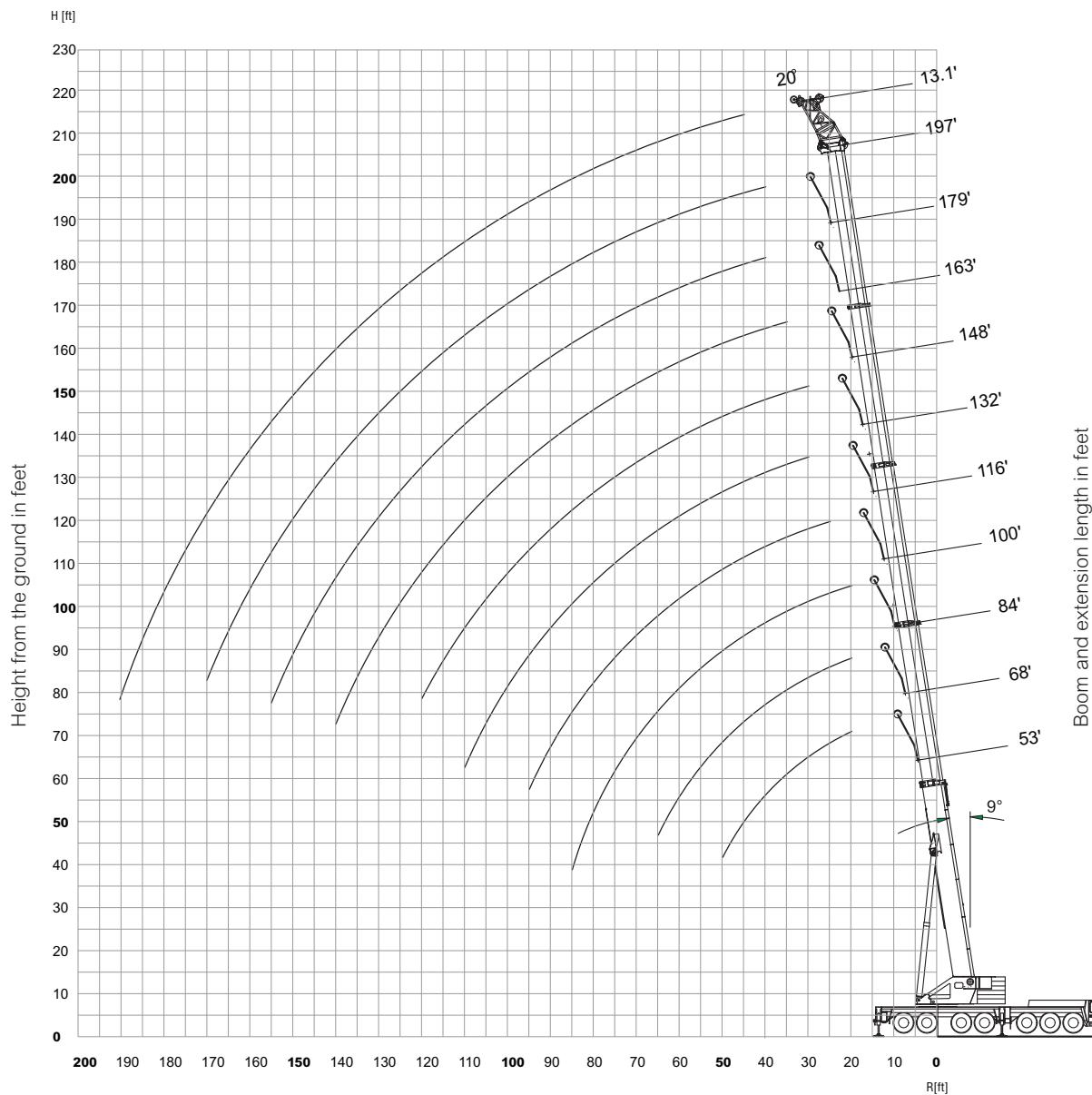
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# working range

**Heavy duty jib - 13 ft.**

47



Operating radius in feet from axis of rotation

**GMK 7550**

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**GROVE**

# load charts



53-197 ft



13.1 ft



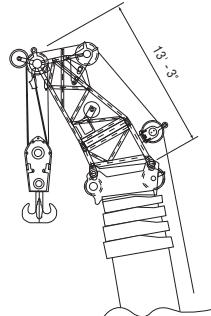
264,500 lbs.

100%  
29° 2" Spread

360°

48

Ft	Pounds (thousands)									
	52.6	68.4	84.3	100.1	115.9	131.7	147.6	163.4	179.2	196.9
20	190.0	190.0	190.0							
25	190.0	190.0	190.0	190.0						
30	190.0	190.0	190.0	190.0	190.0	190.0				
35	190.0	190.0	190.0	190.0	190.0	182.0	166.0			
40	190.0	190.0	190.0	190.0	181.0	167.0	153.0	138.0	120.0	
45	190.0	190.0	190.0	185.0	164.0	151.0	140.0	129.0	116.0	104.0
50	190.0	190.0	187.0	170.0	151.0	140.0	130.0	121.0	109.0	99.0
55		171.0	169.0	156.0	138.0	129.0	120.0	113.0	102.0	94.0
60		154.0	151.0	143.0	128.0	118.0	110.0	105.0	96.0	89.0
65		138.0	135.0	132.0	119.0	109.0	102.0	98.0	91.0	84.0
70		120.0	121.0	110.0	102.0	95.0	91.0	85.0	79.0	
75		107.0	108.0	103.0	95.0	88.0	85.0	80.0	74.0	
80		96.0	97.0	97.0	88.0	82.0	79.0	75.0	71.0	
85		86.0	88.0	88.0	83.0	77.0	74.0	71.0	67.0	
90			79.0	80.0	78.0	73.0	70.0	67.0	63.0	
95				72.0	73.0	74.0	68.0	66.0	63.0	60.0
100					66.0	68.0	64.0	62.0	60.0	56.0
105						62.0	61.0	58.0	57.0	53.0
110						55.0	57.0	55.0	54.0	49.0
115							52.0	54.0	52.0	47.0
120								50.0	49.0	45.0
125									46.0	42.6
130									42.2	45.0
135									39.0	43.4
140									36.0	41.4
145										35.4
150										32.8
155										30.4
160										30.2
165										28.0
170										27.4
175										26.2
180										24.4
185										22.6
190										21.0
										19.4



GMK7550

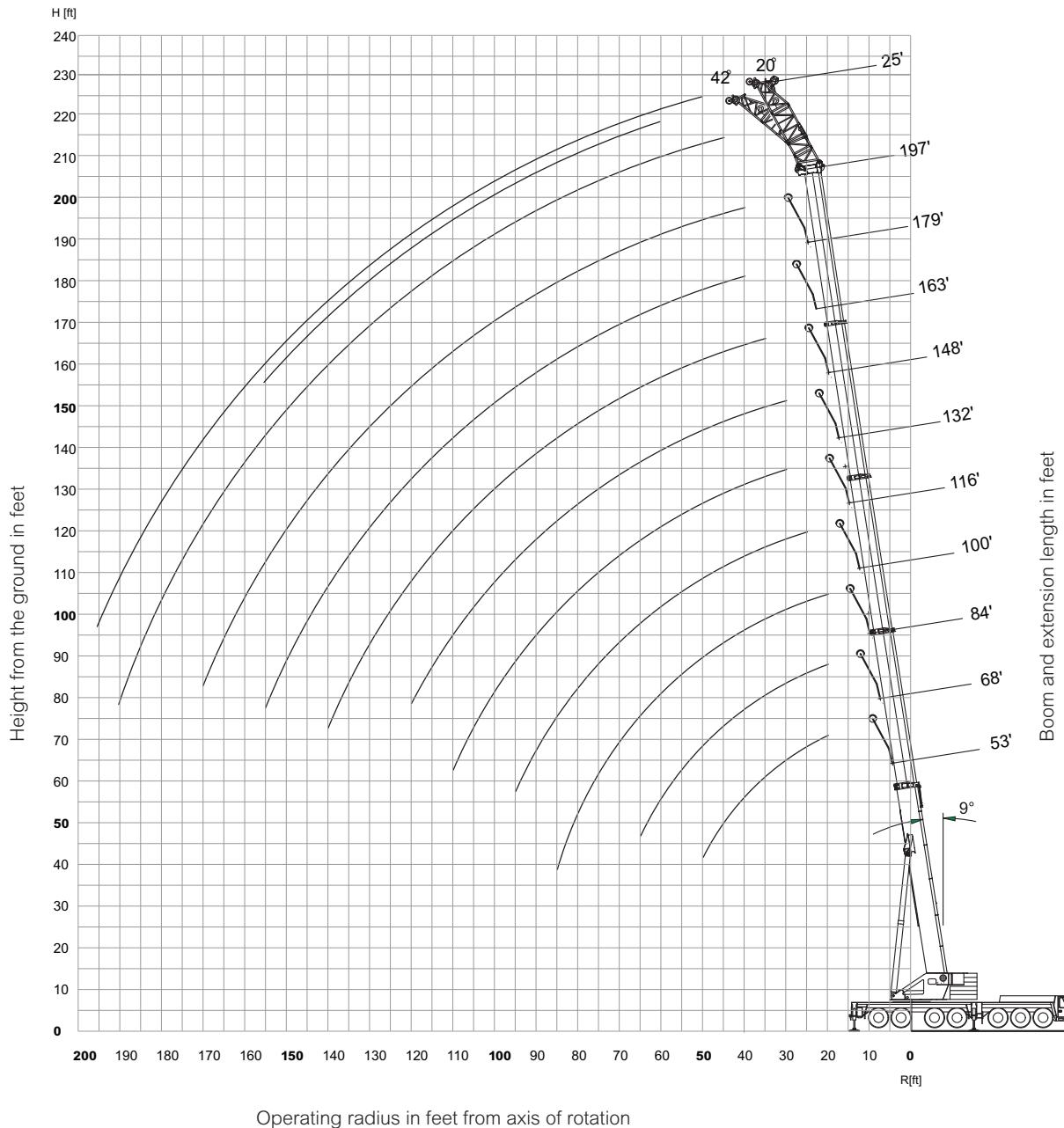
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# working range

**Heavy duty jib - 24 ft.**

49



Boom and extension length in feet

**GMK 7550**

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**GROVE**

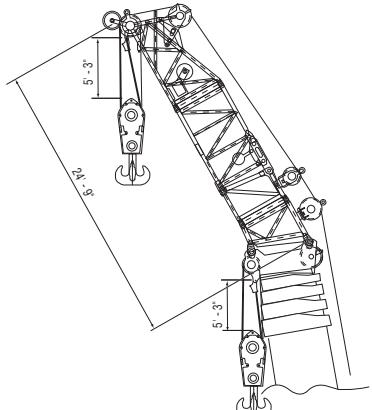
# load charts

100%  
29° 2" Spread

360°

50

	Pounds (thousands)																							
Ft	52.6		68.4		84.3		100.1		115.9		131.7		147.6		163.4		179.2		196.9					
	20°	42°	20°	42°	20°	42°	20°	42°	20°	42°	20°	42°	20°	42°	20°	42°	20°	42°	20°	42°				
20	118.0	122.0																						
25	107.0	94.0	113.0	97.0	117.0																			
30	100.0	89.0	106.0	93.0	110.0	95.0	114.0	96.0	115.0															
35	93.0	85.0	100.0	89.0	104.0	91.0	108.0	93.0	110.0	94.0	111.0													
40	88.0	81.0	94.0	85.0	99.0	88.0	103.0	90.0	105.0	91.0	107.0	92.0	106.0	92.0	104.0									
45	84.0	79.0	89.0	83.0	95.0	85.0	99.0	88.0	101.0	89.0	103.0	90.0	103.0	90.0	101.0	97.0								
50	79.0	77.0	85.0	80.0	91.0	83.0	95.0	85.0	98.0	87.0	100.0	88.0	100.0	87.0	99.0	87.0	95.0	84.0	88.0					
55	76.0	82.0	78.0	87.0	81.0	91.0	83.0	94.0	85.0	96.0	86.0	97.0	86.0	95.0	85.0	91.0	83.0	84.0						
60	75.0	79.0	77.0	83.0	79.0	88.0	81.0	91.0	83.0	93.0	84.0	94.0	84.0	91.0	83.0	87.0	82.0	80.0	78.0					
65	74.0	76.0	76.0	81.0	78.0	85.0	80.0	88.0	81.0	91.0	82.0	92.0	83.0	87.0	82.0	83.0	80.0	76.0	75.0					
70	75.0	79.0	77.0	82.0	78.0	86.0	80.0	88.0	81.0	87.0	80.0	83.0	80.0	80.0	78.0	76.0	72.0	72.0						
75	75.0	76.0	80.0	78.0	83.0	79.0	85.0	80.0	82.0	78.0	79.0	78.0	73.0	72.0	68.0	68.0								
80			74.0	78.0	77.0	80.0	77.0	81.0	77.0	78.0	75.0	75.0	74.0	69.0	69.0	65.0	65.0							
85			74.0	76.0	76.0	78.0	75.0	77.0	74.0	73.0	73.0	70.0	70.0	66.0	65.0	61.0	61.0							
90			74.0	74.0	76.0	75.0	73.0	73.0	72.0	69.0	69.0	66.0	66.0	62.0	62.0	58.0	58.0							
95			73.0		72.0	71.0	69.0	69.0	65.0	65.0	62.0	63.0	58.0	59.0	54.0	55.0								
100			68.0		68.0		65.0	66.0	61.0	61.0	59.0	60.0	55.0	55.0	52.0	52.0								
105			62.0		62.0		62.0	62.0	57.0	57.0	56.0	56.0	53.0	53.0	49.0	49.0								
110			56.0		57.0		58.0	59.0	53.0	54.0	52.0	53.0	50.0	50.0	47.0	47.0								
115					52.0		54.0		51.0	51.0	49.0	50.0	48.0	48.0	44.0	45.0								
120					48.0		49.0		48.0	49.0	47.0	47.0	45.0	45.0	42.0	42.4								
125							45.0		46.0		44.0	45.0	42.8	43.0	40.0	40.4								
130							41.4		42.8		42.2	42.4	40.4	40.8	38.2	38.6								
135							38.0		39.4		40.2	40.2	38.4	39.0	36.2	36.6								
140									36.4		38.0		36.4	37.2	34.4	34.8								
145									33.4		35.4		34.4		32.6	32.8								
150									30.6		32.8		32.4		30.8	31.0								
155											30.2		30.4		29.2	29.4								
160											27.8		28.4		27.6									
165													27.0		26.2									
170													25.2		24.6									
175													23.4		23.0									
180													21.6		21.4									
185															19.8									
190															18.2									
195															16.8									



GMK7550

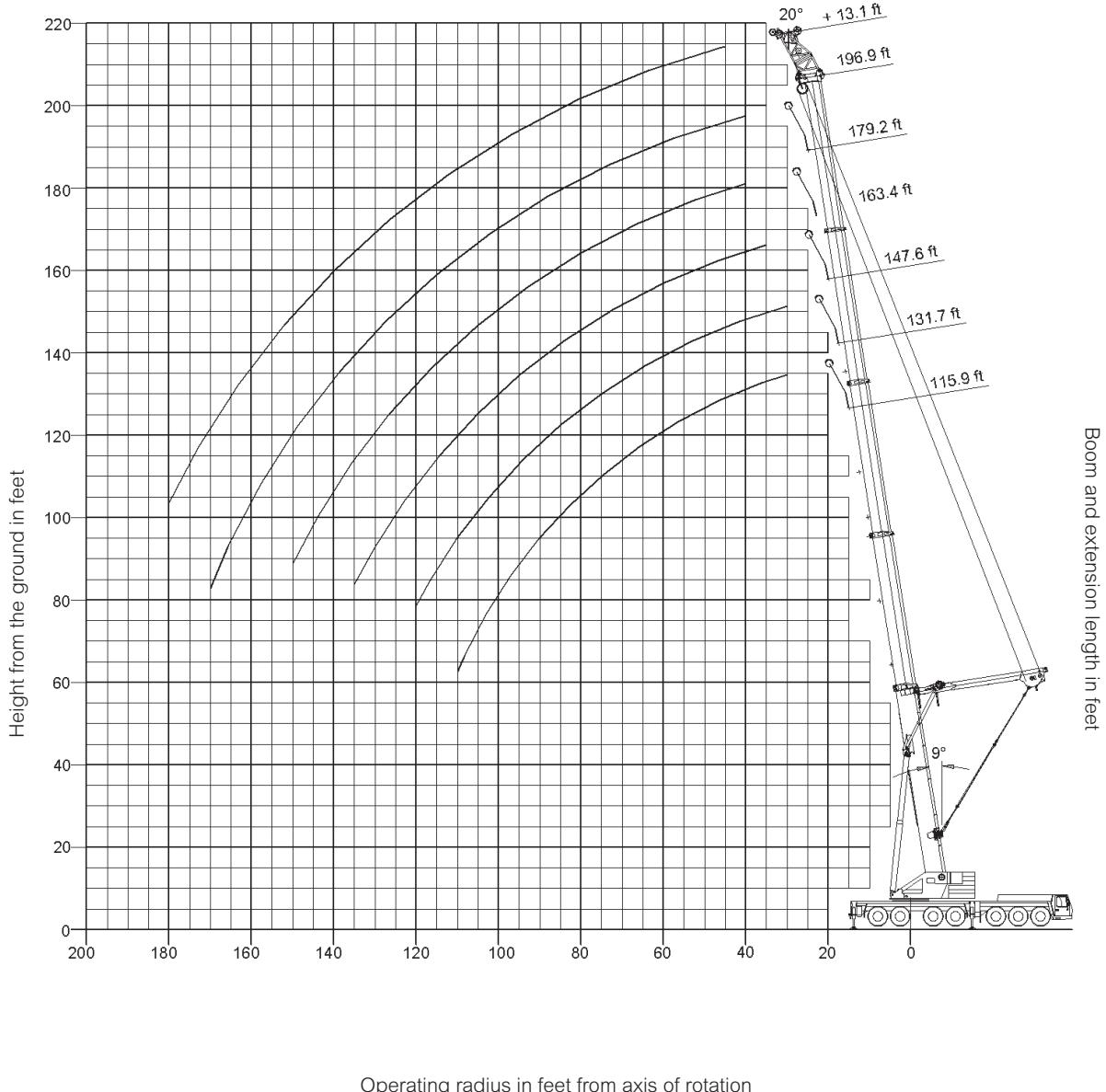
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# Working Range w/MegaWingLift

**Heavy Duty Jib 13 ft.**

**51**



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**GROVE**

**GMK7550 W/WML**

# load charts w/MegaWingLift



116-197 ft.



13.1 ft.



352,700 lbs.



100%  
29'-2" spread



360°

**52**

	Pounds (thousands)					
Feet	116'	132'	148'	163'	179'	197'
Feet	13.1'	13.1'	13.1'	13.1'	13.1'	13.1'
	20°	20°	20°	20°	20°	20°
30	190.0	190.0				
35	190.0	190.0	190.0			
40	190.0	190.0	190.0	171.0	148.0	
45	190.0	190.0	188.0	162.0	139.0	128.0
50	187.0	186.0	175.0	154.0	132.0	121.0
55	173.0	175.0	165.0	146.0	125.0	115.0
60	157.0	159.0	155.0	140.0	119.0	109.0
65	143.0	145.0	145.0	134.0	113.0	104.0
70	131.0	133.0	134.0	128.0	108.0	99.0
75	120.0	123.0	123.0	122.0	103.0	95.0
80	111.0	113.0	113.0	115.0	99.0	91.0
85	102.0	104.0	104.0	106.0	95.0	88.0
90	94.0	97.0	97.0	99.0	91.0	84.0
95	88.0	90.0	90.0	92.0	87.0	81.0
100	81.0	84.0	84.0	86.0	84.0	78.0
105	76.0	78.0	78.0	80.0	81.0	76.0
110	69.0	73.0	73.0	75.0	76.0	73.0
115	68.0	68.0	70.0	72.0	70.0	
120	63.0	63.0	66.0	67.0	68.0	
125		59.0	61.0	63.0	63.0	
130		55.0	57.0	59.0	59.0	
135		51.0	54.0	55.0	56.0	
140			50.0	52.0	52.0	
145			47.0	49.0	49.0	
150			44.0	46.0	46.0	
155				43.0	43.2	
160				40.6	40.6	
165				38.2	38.2	
170				35.2	36.0	
175					33.8	
180						31.8

**GMR7550W/WL**

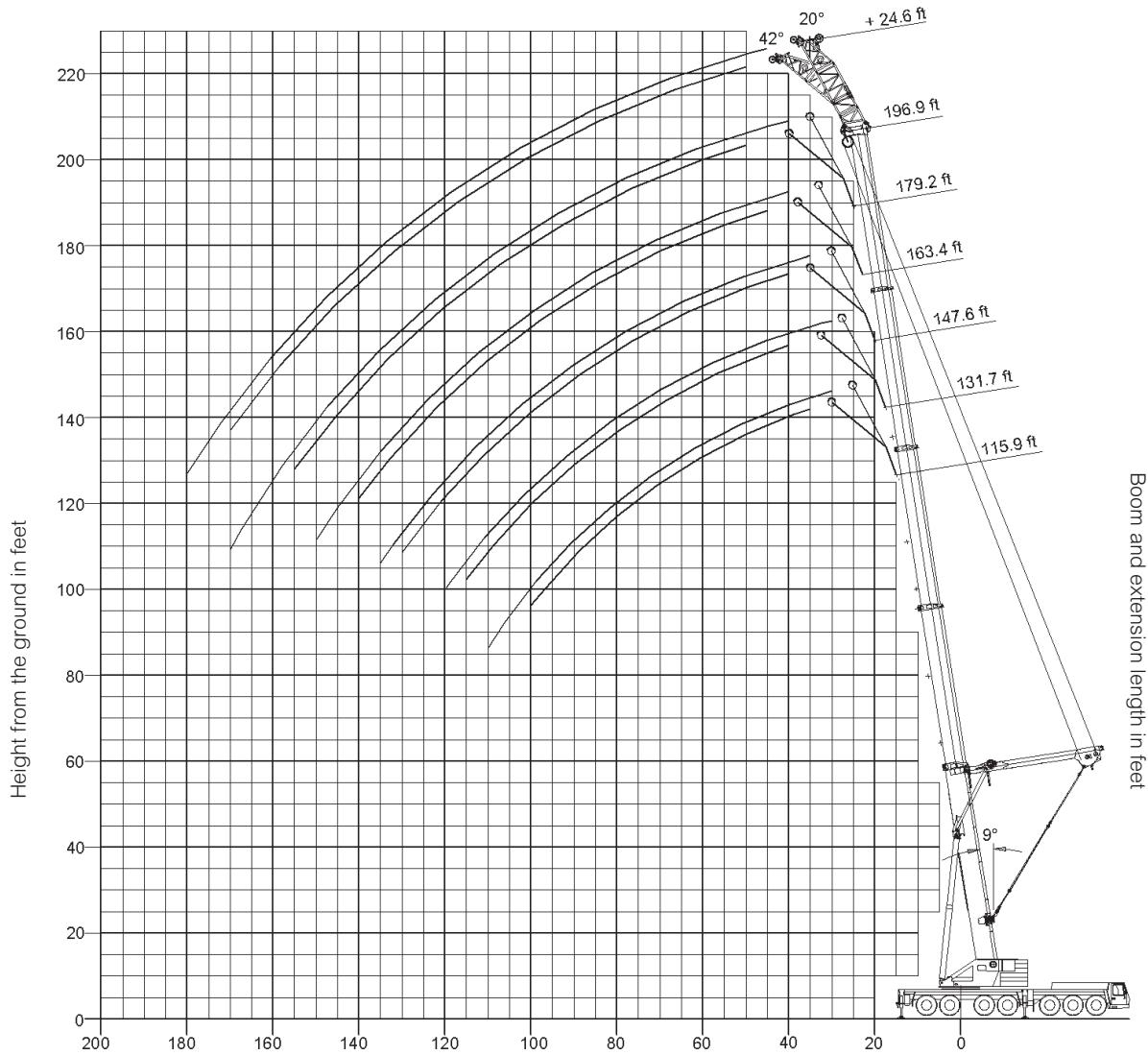
**GROVE**

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.

# Working Range w/MegaWingLift

**Heavy Duty Jib 24.6 ft.**

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**GROVE**

**GMK 7550 w/MWL**

# load charts w/MegaWingLift

116'-197' ft.

24.6 ft.

352,700 lbs.

100%  
29'-2" spread

360°

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Feet	Pounds (thousands)											
	116'		132'		148'		163'		179'		197'	
	20°	42°	20°	42°	20°	42°	20°	42°	20°	42°	20°	42°
30	148.0	114.0	147.0		138.0	107.0			113.0			
35	140.0	110.0	140.0		132.0	105.0	131.0	104.0	123.0	100.0	108.0	
40	133.0	106.0			126.0	101.0	125.0	100.0	117.0	96.0	102.0	90.0
45	126.0	102.0			120.0	98.0	119.0	97.0	111.0	93.0	102.0	87.0
50	120.0	99.0			119.0	98.0					95.0	81.0
55	115.0	96.0	115.0	95.0	114.0	94.0	106.0	89.0	97.0	83.0	91.0	78.0
60	110.0	93.0	110.0	93.0	110.0	91.0	101.0	86.0	93.0	80.0	86.0	75.0
65	106.0	91.0	106.0	90.0	105.0	89.0	97.0	84.0	89.0	77.0	83.0	72.0
70	102.0	88.0	102.0	88.0	101.0	86.0	94.0	81.0	85.0	74.0	79.0	69.0
75	98.0	86.0	98.0	86.0	97.0	84.0	90.0	78.0	81.0	72.0	75.0	67.0
80	95.0	84.0	95.0	84.0	94.0	82.0	86.0	76.0	78.0	69.0	72.0	65.0
85	92.0	83.0	92.0	82.0	91.0	80.0	84.0	74.0	75.0	67.0	70.0	63.0
90	89.0	81.0	89.0	80.0	88.0	78.0	81.0	72.0	72.0	65.0	67.0	61.0
95	86.0	80.0	86.0	78.0	86.0	76.0	78.0	70.0	69.0	63.0	65.0	59.0
100	82.0		84.0	77.0	83.0	75.0	75.0	68.0	67.0	62.0	62.0	57.0
105	77.0		79.0	74.0	79.0	74.0	73.0	67.0	65.0	60.0	60.0	55.0
110	71.0		74.0	69.0	74.0	70.0	71.0	66.0	62.0	58.0	58.0	54.0
115	66.0		68.0		69.0	65.0	69.0	64.0	60.0	56.0	56.0	52.0
120	61.0		64.0		64.0	60.0	66.0	62.0	58.0	55.0	54.0	50.0
125			59.0		59.0	56.0	61.0	58.0	57.0	53.0	52.0	49.0
130			55.0		55.0		57.0	54.0	55.0	52.0	51.0	48.0
135			51.0		52.0		53.0	51.0	53.0	50.0	49.0	47.0
140					48.0		50.0		51.0	49.0	48.0	46.0
145					45.0		47.0		48.0	46.0	47.0	45.0
150							41.8		43.6	45.0	43.0	45.0
155									40.8	42.4	42.6	40.4
160									38.0	39.8	40.0	37.8
165										37.2	37.4	35.4
170										35.0	35.0	
175										32.8	32.8	
180											30.8	
185											28.8	
190											27.0	
195												25.2

GMR7550 w/MWL

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# notes

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## Notes

## Symbols glossary

	Axle load		Lattice extension
	Boom elevation		Lights
	Boom telescoping		Luffing jib
	Brakes		Main boom
	Cab		Off road
	Counterweight		Oil
	Crane functions		Outriggers
	Crane travel		Outrigger controls
	Electrical Systems		Radius
	Engine		Rotation
	Fixed swingaway		Speed
	Frame		Steering
	Fuel tank capacity		Suspension
	Gear		Swing
	Gradeability		Tele-swingaway
	Heavy duty jib		Tires
	Main hoist		Transmission
	Auxiliary hoist		Travel speed
	Hook height		

GMK7550

**GROVE**

# GROVE®

Manitowoc Cranes, Inc.  
P.O. Box 70  
Manitowoc, WI, USA 54221-0070  
Telephone 920-684-6621  
Facsimile 920-683-6277

Grove Worldwide  
1565 Buchanan Trail East  
Shady Grove, PA 17256 U.S.A.  
Telephone: 717-597-8121  
Facsimile: 717-597-4062

[www.manitowoccranegroup.com](http://www.manitowoccranegroup.com)

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