

GROVE[®]

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

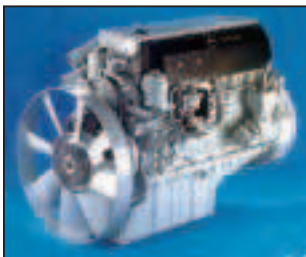
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The operator's cab on the GMK7550 uses the new EKS5 LMI system and ECOS (Electronic Crane Operating System) with a combined dual screen display mounted on a tiltable swing arm.



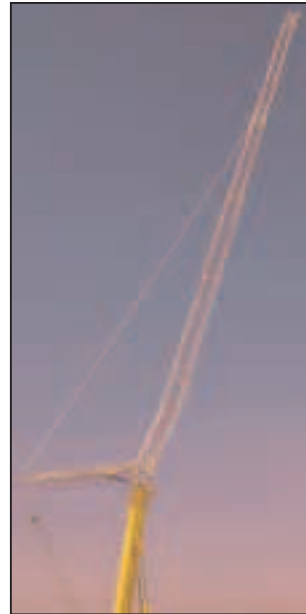
The Mercedes OM 502 LA, 8 cylinder carrier engine provides 563 (420 kW) horsepower.



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.



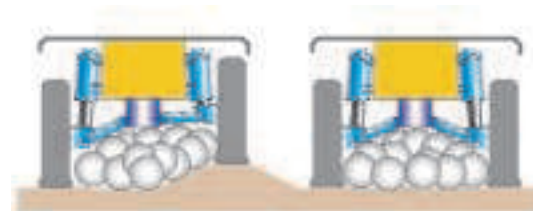
A sturdy 240 ft. (73 m) luffing jib on 179 ft. (54,6 m) of main boom provides up to 410 ft. (125 m) max tip ht with approximately 295 ft. (90 m) of working radius.



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

3

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

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Carrier



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 hydroneumatic 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, 20.5 R25.



Steering

Dual circuit steering system is hydraulic power assisted with emergency steering pump. Axles 1, 2, 3, 6 and 7 steer 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

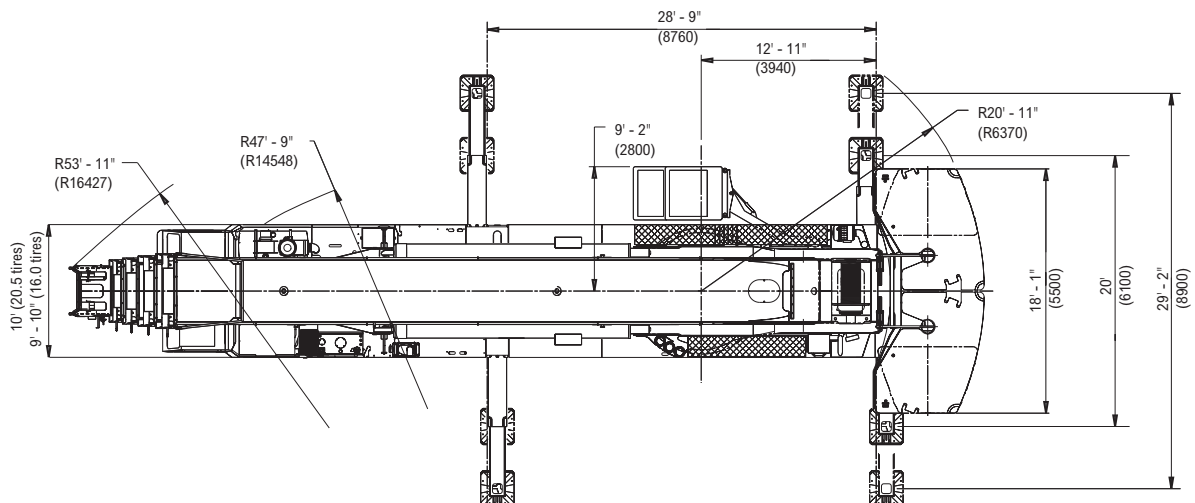
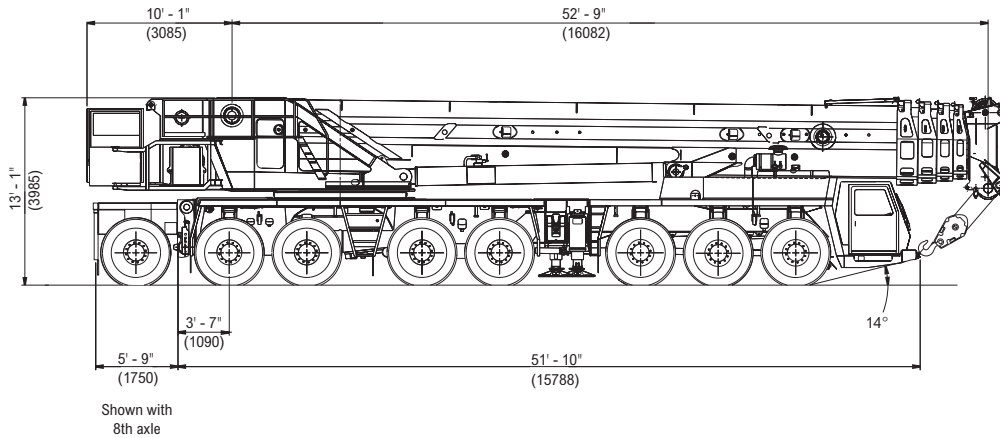
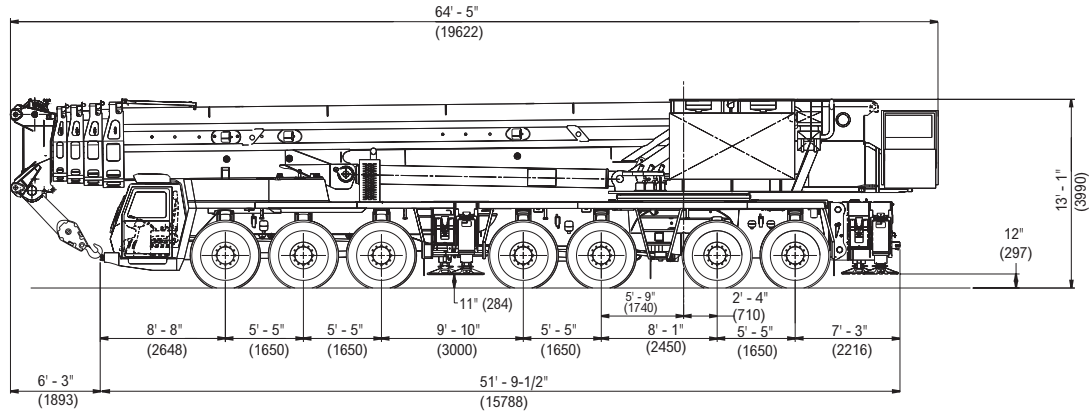
* Denotes optional equipment

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dimensions

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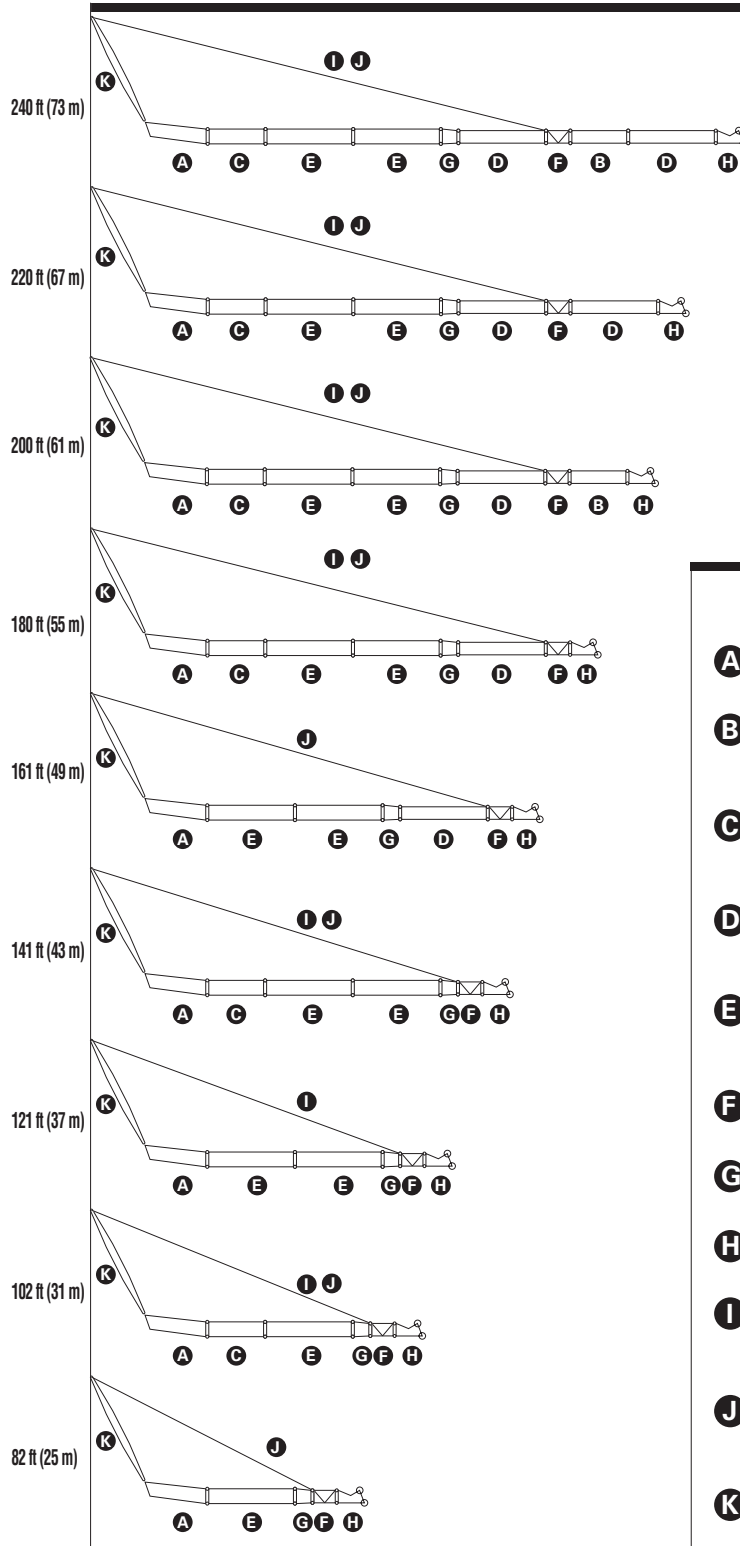
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dimensions

Luffing jib combinations

without angle offset

6



Description	Length x width x height in ft (m)	Weight in lbs. (m)
A Foot Section	28.87 x 5.90 x 8.20 (8.80 x 1.80 x 2.50)	8 160 (3 700)
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)
C 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)
D 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)
E 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)
F Angle piece	12.14 x 4.91 x 5.90 (3.70 x 1.50 x 1.80)	3 530 (1 600)
G Reducing piece	3.94 x 5.90 x 6.23 (1.20 x 1.80 x 1.90)	1 105 (500)
H Head piece	10.50 x 4.91 x 6.89 (3.20 x 1.50 x 2.10)	2 650 (1 200)
I 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)
J 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)
K 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)

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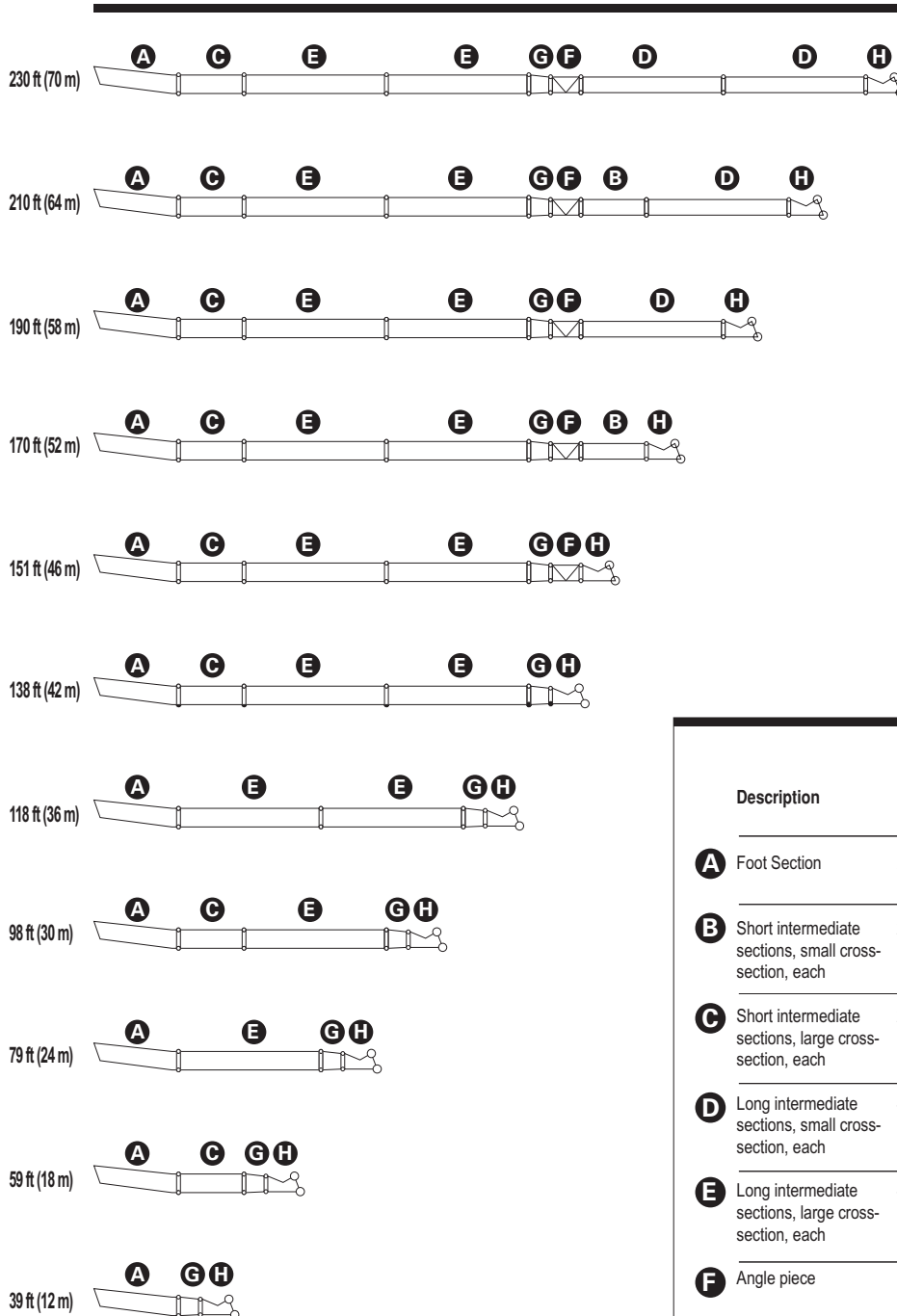
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Courtesy of CraneMarket

Lattice boom extension combinations

without angle offset

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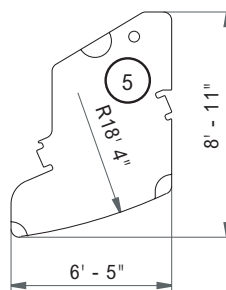
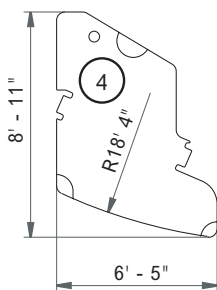
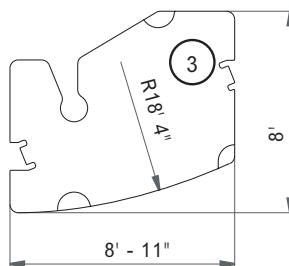
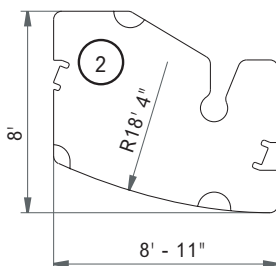
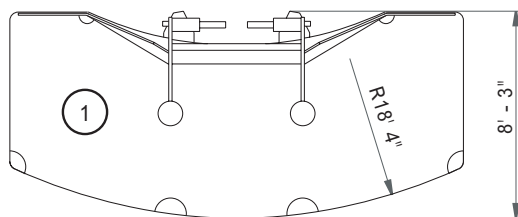
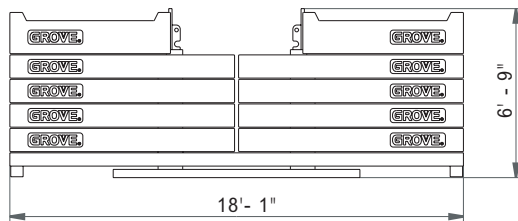
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B Short intermediate sections, small cross-section, each	20.34 x 4.91 x 4.91 (6.20 x 1.50 x 1.50)	1 985 (900)
C Short intermediate sections, large cross-section, each	20.34 x 5.90 x 6.23 (6.20 x 1.80 x 1.90)	2 205 (1 000)
D Long intermediate sections, small cross-section, each	40.03 x 4.91 x 4.91 (12.20 x 1.50 x 1.50)	3 530 (1 600)
E 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)
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G Reducing piece	3.94 x 5.90 x 6.23 (1.20 x 1.80 x 1.90)	1 105 (500)
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counterweight

264,500 lbs.

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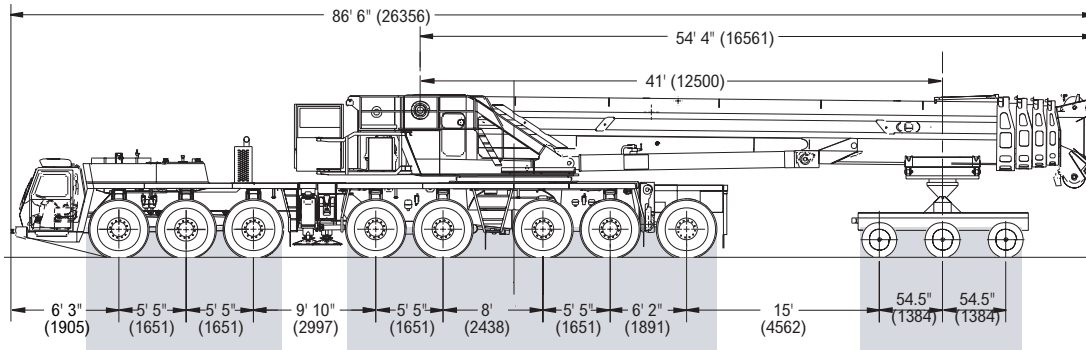


 Thousand lbs.	1	2	3	4	5
44.0	x				
88.1	x	x	x		
132.2	x	2 x	2 x		
176	x	3 x	3 x		
220.4	x	4 x	4 x		
264.5	x	4 x	4 x	x	x

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Trailing boom dolly with 8th axle



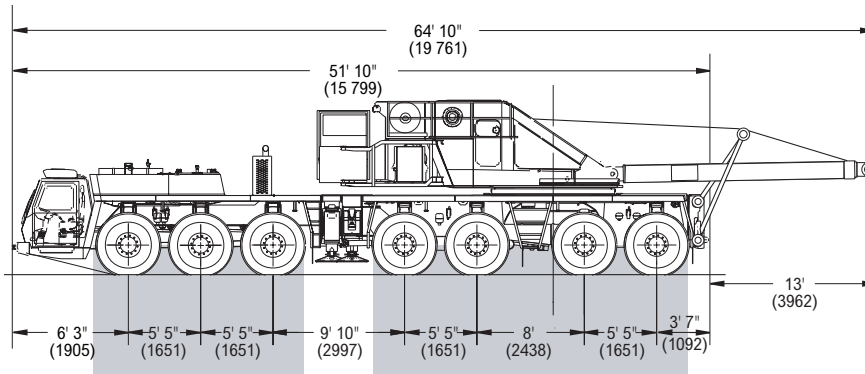
	Axes 1 - 3	Axes 4 - 8	Dolly	Total GVW
Boom in dolly over rear, rear outrigger box removed, 8th axle installed	59,094 lbs. (26 805 kg)	89,889 lbs. (40 773 kg)	51,282 lbs. (23 261 kg)	200,264 lbs. (90 839 kg)

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	Axes 4 - 7	Total GVW
Boom removed, superstructure over rear	35,456 lbs. (16 083 kg)	76,914 lbs. (34 888 kg)	112,370 lbs. (50 971 kg)

Unit equipped with:

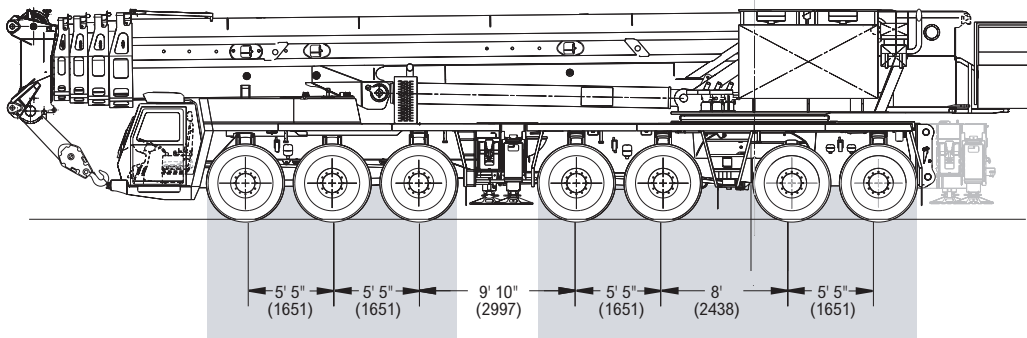
- Rear outrigger box removed
- 20.5 tires on aluminum rims
- Operator, 165 lbs. (75 kg)

Allow 2% variation in weight due to manufacturing tolerances

travel proposals

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Boom over the front



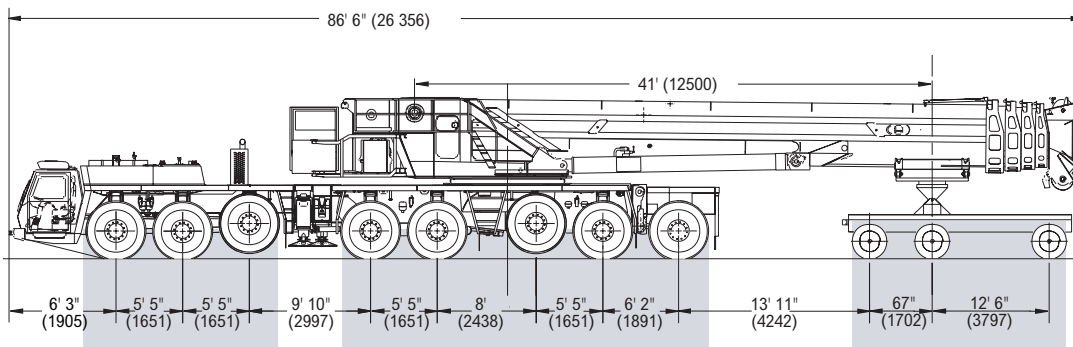
	Axes 1 - 3	Axes 4 - 7/8	Total GVW
Boom over front, rear outrigger box removed	81,768 lbs. (37 090 kg)	104,741 lbs. (47 510 kg)	186,509 lbs. (84 600 kg)
Boom over front, rear outrigger box installed	73,032 lbs. (33 127 kg)	128,311 lbs. (58 202 kg)	201,343 lbs. (91 329 kg)
Boom over front, 8th axle installed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

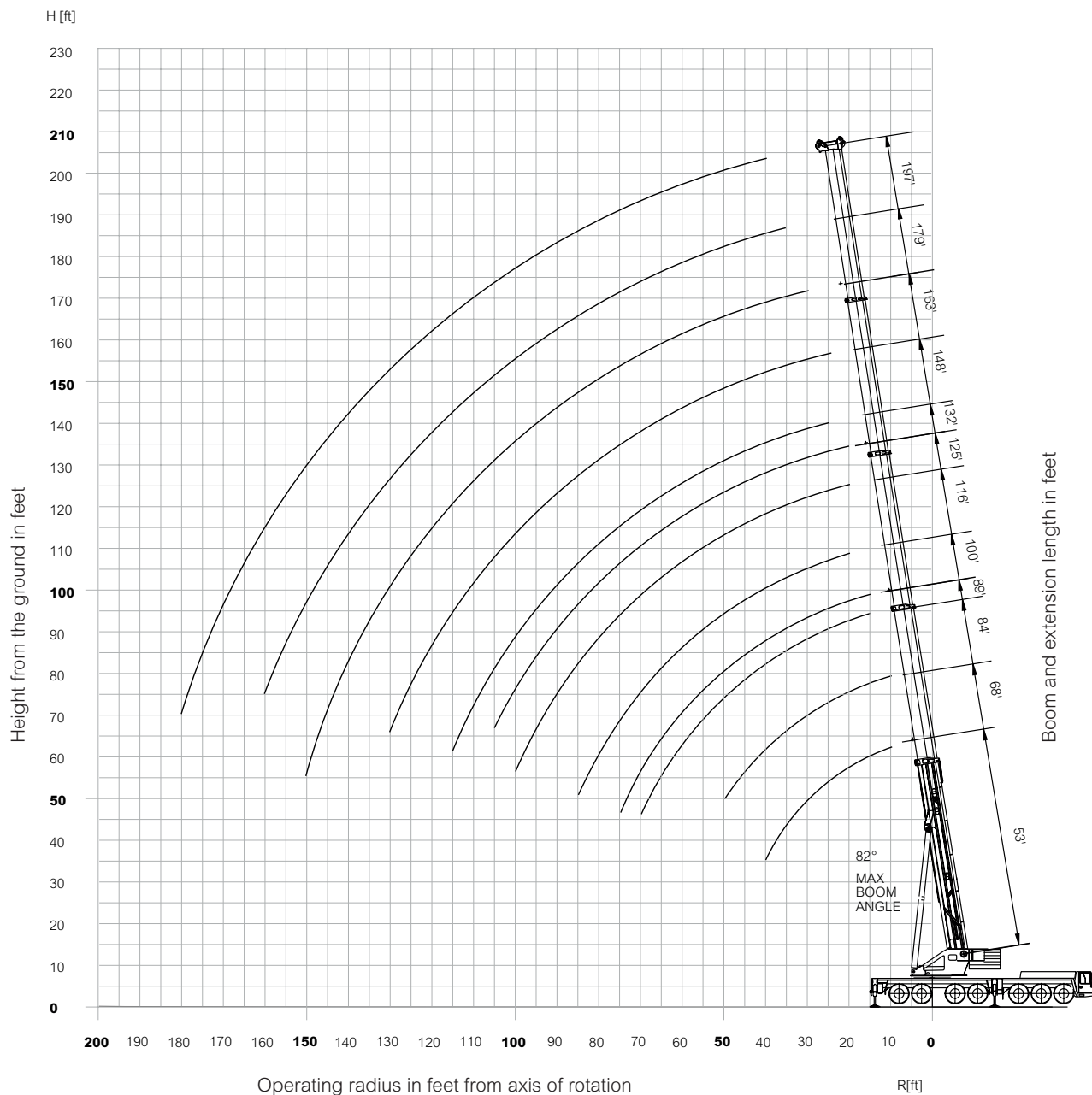
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working range

197 ft Main Boom

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Hook height							
Rated capacities in 1000 lbs.	705.4	551.1	440.9	352.6	220.4	88.1	35
Distance H in ft	13.3	13.0	12.0	12.0	10.8	10.5	8

GMK 7550

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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Courtesy of Crane.Market

load charts

12

												
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	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

												
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	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	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

GMK7550

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.

Courtesy of Crane.Market

load charts

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53 - 197 ft 176,300 lbs. 29' 2" Spread 100% 360°											
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
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	203.0	213.0	216.0	206.0	215.0	203.0	187.0	186.0	168.0	155.0	141.0
45		176.0	180.0	170.0	179.0	174.0	160.0	168.0	154.0	142.0	131.0
50		149.0	153.0	143.0	152.0	149.0	138.0	150.0	139.0	131.0	122.0
55			131.0	129.0	131.0	133.0	119.0	131.0	121.0	119.0	114.0
60			115.0	112.0	114.0	118.0	107.0	115.0	112.0	105.0	105.0
65			103.0	98.0	100.0	105.0	98.0	102.0	102.0	96.0	94.0
70			91.0	91.0	94.0	93.0	87.0	90.0	92.0	89.0	85.0
75				83.0	85.0	84.0	78.0	84.0	82.0	81.0	77.0
80					76.0	75.0	70.0	77.0	74.0	73.0	70.0
85					69.0	68.0	62.0	69.0	68.0	66.0	63.0
90						63.0	58.0	63.0	62.0	60.0	58.0
95						58.0	55.0	58.0	56.0	54.0	53.0
100						53.0	53.0	53.0	51.0	50.0	48.0
105							49.0	48.0	47.0	45.0	43.4
110							46.0	45.0	43.2	41.4	39.4
115								41.0	39.6	37.8	36.0
120									36.4	34.6	32.8
125									33.6	31.8	29.8
130									29.2	27.2	27.4
135									31.0	26.8	24.8
140										24.6	22.6
145										22.6	20.4
150										20.8	18.6
155											16.8
160											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

53 - 197 ft 132,200 lbs. 29' 2" Spread 100% 360°											
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
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	123.0
45		141.0	145.0	142.0	144.0	145.0	135.0	136.0	133.0	127.0	116.0
50		118.0	124.0	119.0	126.0	125.0	115.0	119.0	114.0	110.0	101.0
55			106.0	107.0	109.0	108.0	100.0	106.0	101.0	96.0	91.0
60			92.0	93.0	95.0	94.0	88.0	94.0	89.0	85.0	80.0
65			81.0	82.0	83.0	84.0	81.0	83.0	79.0	75.0	71.0
70			71.0	72.0	74.0	74.0	75.0	71.0	71.0	67.0	63.0
75				64.0	66.0	66.0	67.0	66.0	64.0	60.0	56.0
80					59.0	59.0	60.0	59.0	58.0	54.0	51.0
85					53.0	53.0	54.0	53.0	52.0	49.0	46.0
90						48.0	49.0	48.0	46.0	44.0	41.0
95						43.6	44.0	43.2	41.8	40.0	37.0
100						39.6	40.2	39.2	37.8	36.0	33.4
105							36.6	35.6	34.2	32.4	30.2
110							33.2	32.2	30.8	29.0	27.2
115								29.2	27.8	26.0	24.2
120									25.2	23.4	21.6
125									22.8	21.0	19.2
130									20.6	18.8	17.0
135										16.8	14.8
140										15.0	13.2
145										13.4	11.2
150										11.8	9.8
155											8.2
160											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. 29' 2" Spread 100% 360°									
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.

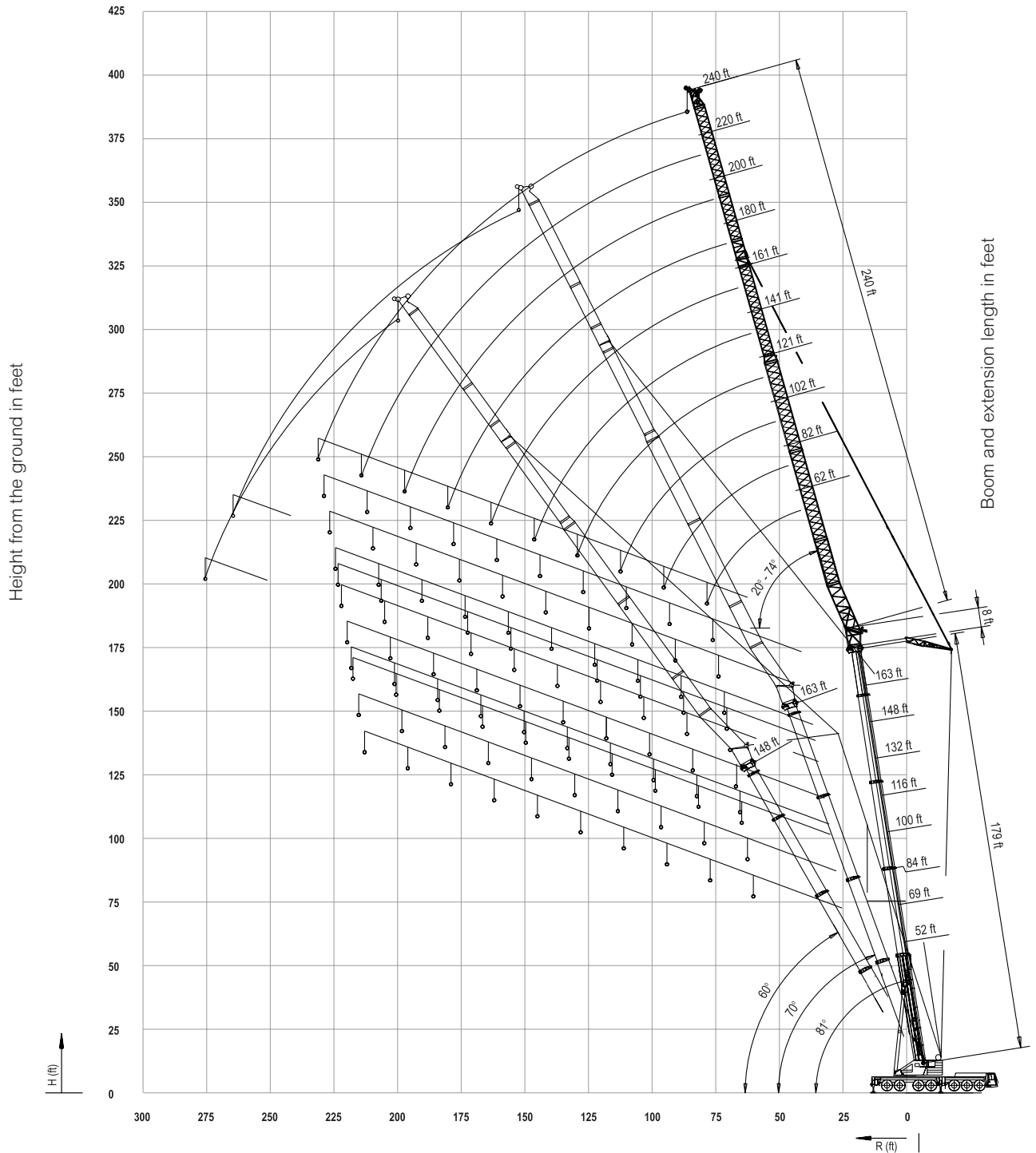
Courtesy of Crane.Market

GMK 7550

working range

240 ft Hydraulic Luffing Jib

14



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.

Courtesy of Crane.Market

GMK7550

GROVE

load charts

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81°	82-240 ft.	100%	360°	264,500 lbs.					
52.6 ft.		29' 2" Spread							
						Pounds (thousands)			
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

									
81°	82-240 ft.	100%	360°	264,500 lbs.					
84.3 ft		29° 2" Spread							
						Pounds (thousands)			
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	16.2
140				53.0	47.0	37.4	28.6	21.0	15.8
145					45.0	36.6	27.8	20.4	15.2
150					43.6	35.8	27.2	20.0	14.8
155					42.2	35.2	26.4	19.4	14.4
160					40.6	34.4	25.8	18.8	14.0
165						33.6	25.0	18.4	13.6
170						33.0	24.2	18.0	13.2
175						32.4	23.4	17.6	12.8
180						31.8	22.8	17.0	12.4
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	10.8
205								15.0	10.6
210								14.6	10.2
215								14.2	9.8
220								13.8	9.6
225									9.2
230									9.0
235									8.6

GMK 7550

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GROVE.

Courtesy of Crane.Market

load charts

16

 81° 115.9 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
45									
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

	81°		82-240 ft.		100%		360°		264,500 lbs.	
	147.6 ft.				29' 2" Spread					
										Pounds (thousands)
Feet	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	29.2	22.8	18.0	13.6	
110		52.0	49.0	45.0	36.2	29.0	22.6	17.8	13.6	
115		50.0	47.0	44.0	36.0	28.8	22.4	17.6	13.4	
120		49.0	46.0	42.6	35.8	28.6	22.2	17.4	13.2	
125			44.0	41.2	35.4	28.2	22.0	17.2	13.0	
130			43.0	40.0	35.2	28.0	21.6	16.8	12.8	
135			41.8	38.8	35.0	27.8	21.4	16.6	12.6	
140			40.4	37.6	34.6	27.6	21.2	16.4	12.2	
145				36.4	33.8	27.2	20.8	16.2	12.0	
150				35.4	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	

GMK7550

GROVE

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Courtesy of Crane.Market

load charts

17

81° 163.4 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
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

81° 179.2 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
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

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GROVE.

Courtesy of Crane.Market

load charts

18



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
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		98.0	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	17.2
145				55.0	51.0	39.6	30.2	22.0	16.6
150				49.0	50.0	38.8	29.4	21.4	16.0
155					48.0	38.0	28.8	20.8	15.6
160					45.0	37.0	28.0	20.2	15.0
165					43.2	36.2	27.2	19.8	14.6
170					40.0	35.4	26.4	19.2	14.2
175						34.6	25.6	18.8	13.6
180						34.0	24.8	18.2	13.2
185						33.0	24.0	17.8	12.8
190						31.4	23.2	17.2	12.4
195							22.6	16.8	12.0
200							22.2	16.4	11.6
205							21.6	16.0	11.2
210								15.6	10.8
215								15.0	10.6
220								14.6	10.2
225								14.4	9.8
230									9.6
235									9.2
240									9.0
245									8.6



84.3 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
70									
75	116.0								
80	110.0								
85	104.0								
90		96.0							
95	90.0	89.0	89.0						
100	85.0		84.0						
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

GMK7550

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.

Courtesy of Crane.Market

load charts

									
70°	82-240 ft.	100%	360°	264,500 lbs.					
115.9 ft.									
	 Pounds (thousands)								
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

									
70°	82-240 ft.	100%	360°	264,500 lbs.					
147.6 ft.									
	 Pounds (thousands)								
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	15.0	11.0
200					20.4	18.4	17.2	14.8	10.8
205					19.8	17.8	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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GMK 7550

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.

Courtesy of Crane.Market

load charts

20

									
	163.4 ft.		29' 2" Spread						
									
		Pounds (thousands)							
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

									
	179.2 ft.		29' 2" Spread						
									
		Pounds (thousands)							
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	9.4	7.4
210					13.0	11.2	10.0	9.0	7.4
215					12.6	10.8	9.6	8.6	7.2
220					12.2	10.4	9.2	8.4	7.0
225						10.0	9.0	8.0	6.6
230						9.6	8.6	7.6	6.4
235						9.2	8.2	7.2	6.0
240						8.8	7.8	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

GROVE

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Courtesy of Crane.Market

load charts

 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

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GMK 7550

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GROVE.

Courtesy of Crane.Market

load charts

22

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

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

GMK7550

GROVE

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Courtesy of Crane.Market

load charts

23

									
60°	82-240 ft.	100%	360°	264,500 lbs.					
147.6 ft.	29' 2" Spread			Pounds (thousands)					
									
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	11.6	10.6		
225					13.0	11.2	10.2	9.2	
230						10.8	9.8	8.8	8.4
235						10.4	9.4	8.4	8.4
240						10.0	9.0	8.2	8.2
245						9.6	8.6	7.8	7.8
250							8.2	7.4	7.6
255							7.8	7.0	7.2
260							7.6	6.8	7.0
265							7.2	6.4	6.6
270								6.2	6.4
275								5.8	6.0
280								5.6	5.6
285								5.4	5.2
290									4.8
295									4.4
300									4.0
305									3.6

								
60°	82-200 ft.	100%	360°	264,500 lbs.				
163.4 ft.		29' 2" Spread						
	 Pounds (thousands)							
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

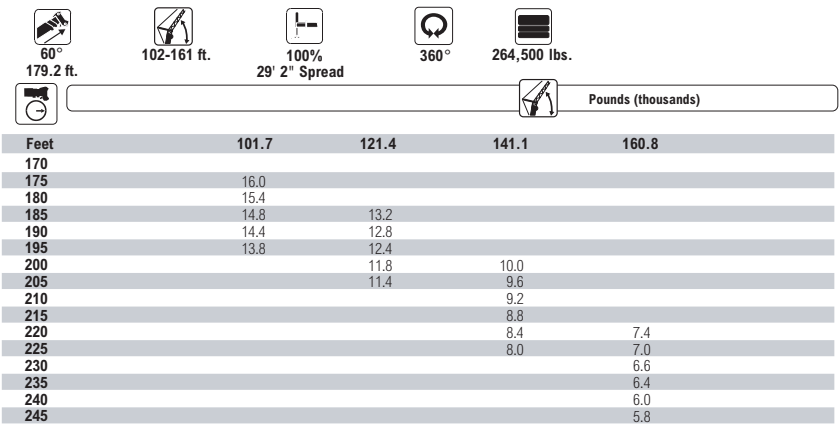
THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.

GROVE.

Courtesy of Crane.Market

load charts

24



GMK7550

GROVE

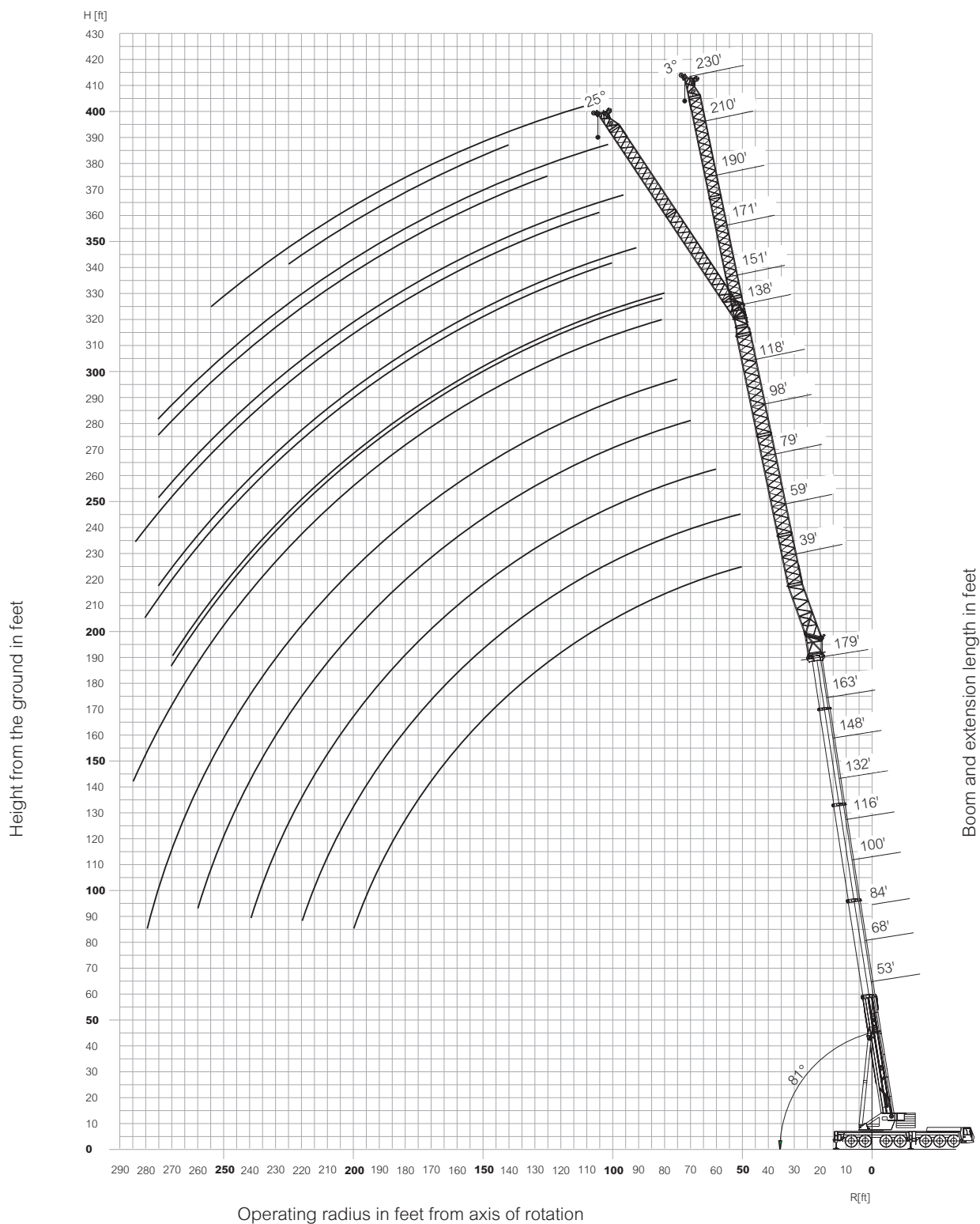
THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.

Courtesy of Crane.Market

working range

230 ft Lattice Extension

25



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.

Courtesy of Crane.Market

load charts

26



163 ft



39 - 230 ft.



264,500 lbs.



100%
29' 2" Spread



360°



Pounds (thousands)

Ft	163'															
Ft	39	59	79	98	118	138	151		171		190		210		230	
	3°	3°	3°	3°	3°	3°	3°	25°	3°	25°	3°	25°	3°	25°	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		12.4	
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		12.0	
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		11.4	
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		11.0	
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	10.4	10.6	
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	10.0	10.2	
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	11.6	9.6	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	9.0	9.2	7.4
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	8.6	8.8	7.0
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	10.2	8.4	8.4	6.6
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	9.6	8.0	8.2	6.4
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	7.6	7.8	6.0
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	7.2	7.4	5.8
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	8.4	7.0	7.0	5.4
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	8.0	6.6	6.6	5.2
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	7.8	6.4	6.4	4.8
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	7.4	6.0	6.0	4.6
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	7.0	5.8	5.6	4.4
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	6.8	5.6	5.4	4.0
195		16.4	18.2	17.8	17.2	15.0	11.6	11.2	9.6	8.8	8.0	7.0	6.4	5.2	5.2	3.8
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	5.0	4.8	3.6
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	4.6	3.4
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	4.2	3.2
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	4.0	3.0
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	3.8	2.8
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	3.6	2.6
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	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				

GMK7550

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.

Courtesy of Crane.Market

load charts

											
179 ft	39 - 230 ft.	264,500 lbs.	100% 29' 2" Spread	360°							
											
	Pounds (thousands)										
Ft	179'										
Ft	39.0 3°	59.0 3°	79.0 3°	98.0 3°	118.0 3°	138.0 3°	151 3° 25°	171.0 3° 25°	190.0 3° 25°	210.0 3° 25°	230.0 3° 25°
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
105	49.0	45.0	41.6	37.4	31.4	25.4	21.6	20.6	18.6	16.8	16.0
110	46.0	43.0	39.8	35.8	30.2	24.6	20.8	19.8	18.0	16.2	15.6
115	44.0	41.0	38.0	34.6	28.8	24.0	20.2	19.2	17.2	15.6	15.0
120	41.8	39.2	36.4	33.2	27.6	23.2	19.4	18.6	16.6	15.0	14.4
125	39.8	37.2	35.0	31.8	26.6	22.6	18.8	18.0	16.0	14.6	14.0
130	37.8	35.4	33.6	30.6	25.8	21.8	18.2	17.4	15.4	14.0	13.4
135	35.8	33.6	32.2	29.2	25.0	21.2	17.6	16.8	15.0	13.6	13.0
140	34.0	31.8	30.6	27.8	24.2	20.6	17.0	16.2	14.4	13.0	12.4
145	32.0	30.0	29.2	26.6	23.4	20.0	16.4	15.6	14.0	12.6	12.0
150	30.4	28.2	28.0	25.2	22.6	19.4	16.0	15.2	13.4	12.2	11.4
155	28.8	26.4	26.6	23.8	21.8	18.8	15.4	14.8	13.0	11.8	11.0
160	27.2	25.0	25.2	22.6	21.0	18.2	14.8	14.2	12.4	11.4	10.6
165	25.6	24.0	23.8	21.6	20.2	17.6	14.4	13.8	12.0	11.0	10.2
170	24.0	22.8	22.4	20.8	19.4	17.2	13.8	13.4	11.6	10.6	9.8
175	22.2	21.8	21.2	20.0	18.6	16.6	13.4	13.0	11.2	10.2	9.6
180	21.0	20.8	20.4	19.2	17.8	16.0	13.0	12.6	10.8	10.0	9.2
185	19.2	19.6	19.4	18.4	17.2	15.4	12.6	12.2	10.4	9.6	8.8
190	17.6	18.6	18.6	17.4	16.6	14.8	12.0	11.8	10.2	9.4	8.4
195	16.2	17.2	17.6	16.6	15.8	14.4	11.6	11.4	9.8	9.0	8.2
200	14.8	15.8	16.8	16.0	15.2	13.8	11.2	11.0	9.4	8.8	8.0
205		14.4	15.8	15.2	14.6	13.2	10.6	10.6	9.2	8.4	7.6
210		13.2	14.6	14.6	13.8	12.8	10.2	10.2	8.8	8.2	7.4
215		12.0	13.4	13.8	13.2	12.2	9.8	9.8	8.4	7.8	7.0
220		10.8	12.2	13.0	12.8	11.6	9.2	9.2	8.2	7.6	6.8
225			11.2	12.0	12.2	11.2	8.8	8.8	7.8	7.4	6.6
230			10.0	10.8	11.6	10.6	8.4	8.4	7.4	7.0	6.2
235			9.0	9.8	10.6	10.2	7.8	8.0	7.0	6.8	6.0
240			8.2	8.8	9.6	9.6	7.4	7.6	6.6	6.4	5.6
245				7.8	8.6	8.8	6.8	7.2	6.2	6.2	5.4
250				7.0	7.8	7.8	5.8	6.2	5.8	5.8	5.0
255				6.0	6.8	7.0	5.0	5.4	5.4	5.6	4.8
260				5.2	6.0	6.2	4.2	4.4	4.8	5.2	4.4
265					5.2	5.4	3.4	3.6	4.0	4.2	3.0
270					4.4	4.6	2.6	2.8	3.2	3.8	2.8
275					3.8	3.8			2.4	3.2	2.6
280					3.0	3.2			2.4	3.2	2.6
285						2.4				2.6	

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GMK 7550

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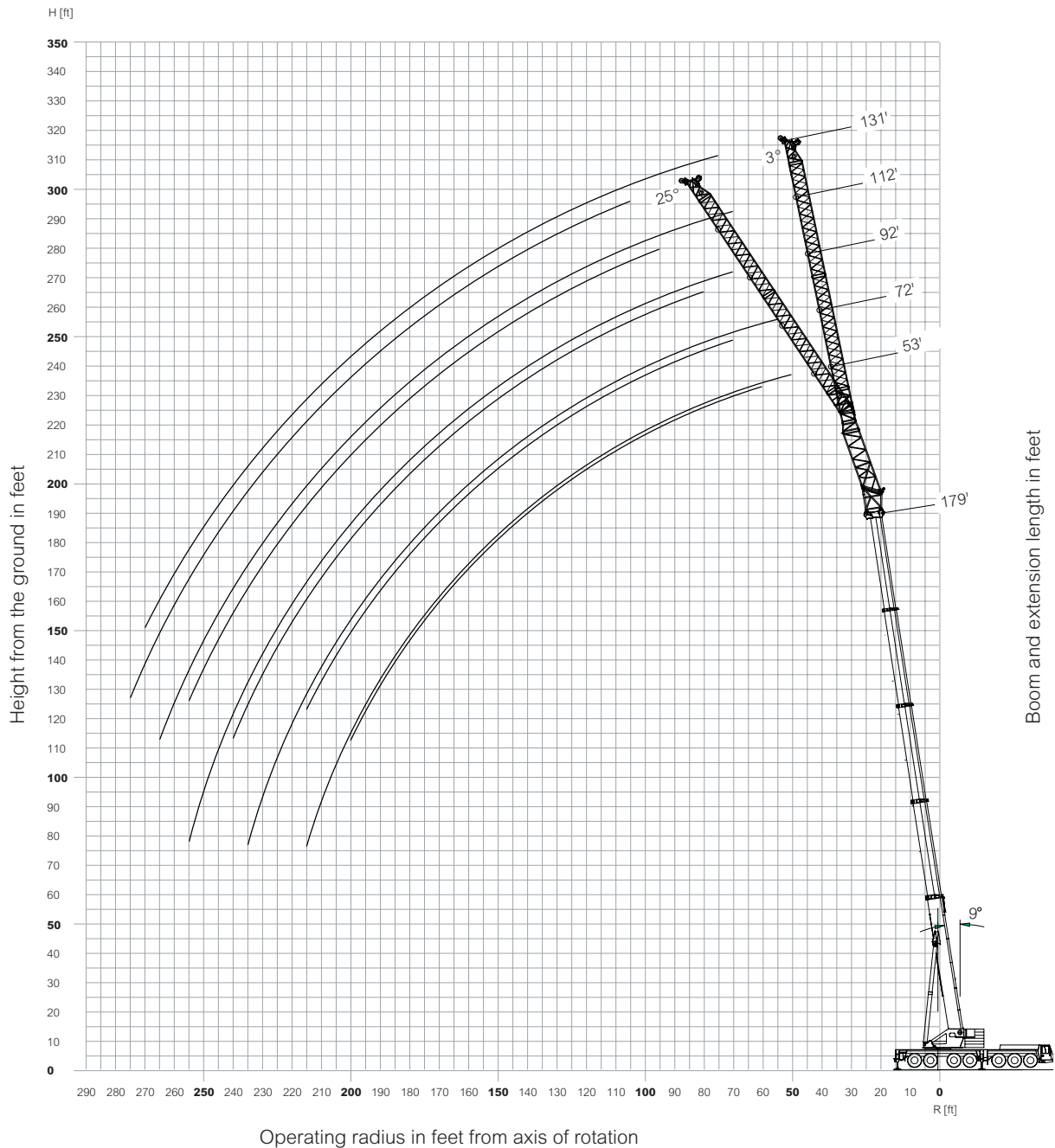
GROVE.

Courtesy of Crane.Market

working range

Special offset lattice extension

28



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.

Courtesy of Crane.Market

load charts

										
163 ft	52.5 - 131.2 ft.	264,500 lbs.	100% 29' 2" Spread	360°						
	 Pounds (thousands)									
Ft	163'									
Ft	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										

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GMK 7550

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GROVE.

Courtesy of Crane.Market

load charts

30



179 ft



53 - 131ft.



264,500 lbs.



100%
29' 2" Spread



360°



Pounds (thousands)

Ft	179'									
Ft	52.5		72.2		91.9		111.6		131.2	
	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	25.4	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										

GMK7550

GROVE

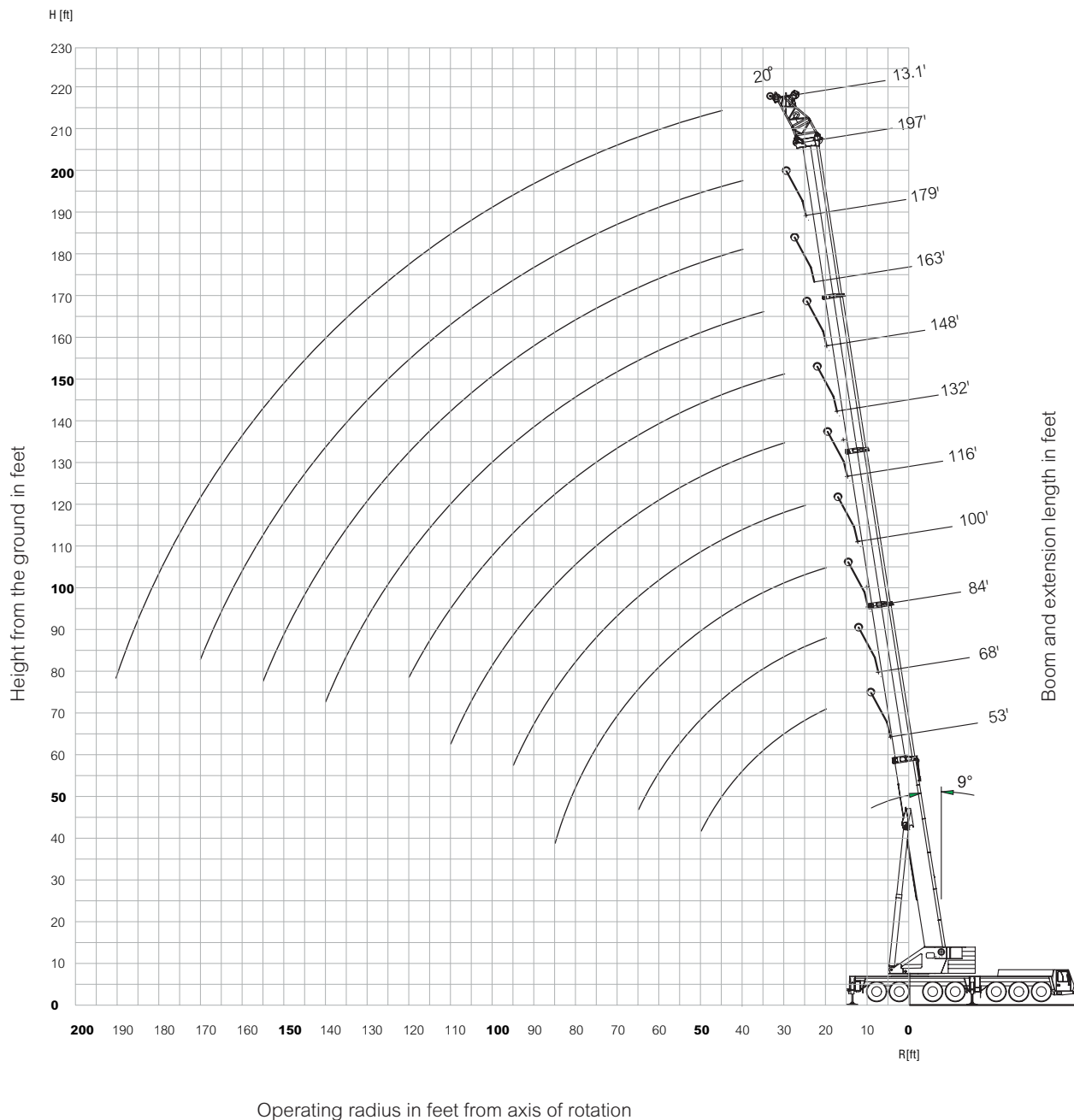
THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.

Courtesy of Crane.Market

working range

Heavy duty jib - 13 ft.

31



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GROVE

Courtesy of Crane.Market

GMK 7550

load charts

32

53-197 ft

13.1 ft

264,500 lbs.

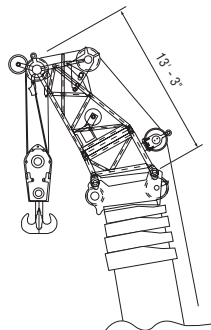
100%
29' 2" Spread

360°



Pounds (thousands)

Ft	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					60.0	62.0	61.0	58.0	57.0	53.0
110					55.0	57.0	58.0	55.0	54.0	49.0
115						52.0	54.0	52.0	51.0	47.0
120						48.0	50.0	49.0	48.0	45.0
125							46.0	47.0	45.0	42.6
130							42.2	45.0	43.4	40.4
135							39.0	41.2	41.4	38.2
140							36.0	38.2	39.4	36.2
145								35.4	37.4	34.4
150								32.8	34.8	32.8
155								30.4	32.4	31.0
160									30.2	29.2
165									28.0	27.4
170									26.2	25.6
175										24.4
180										22.6
185										21.0
190										19.4



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GROVE

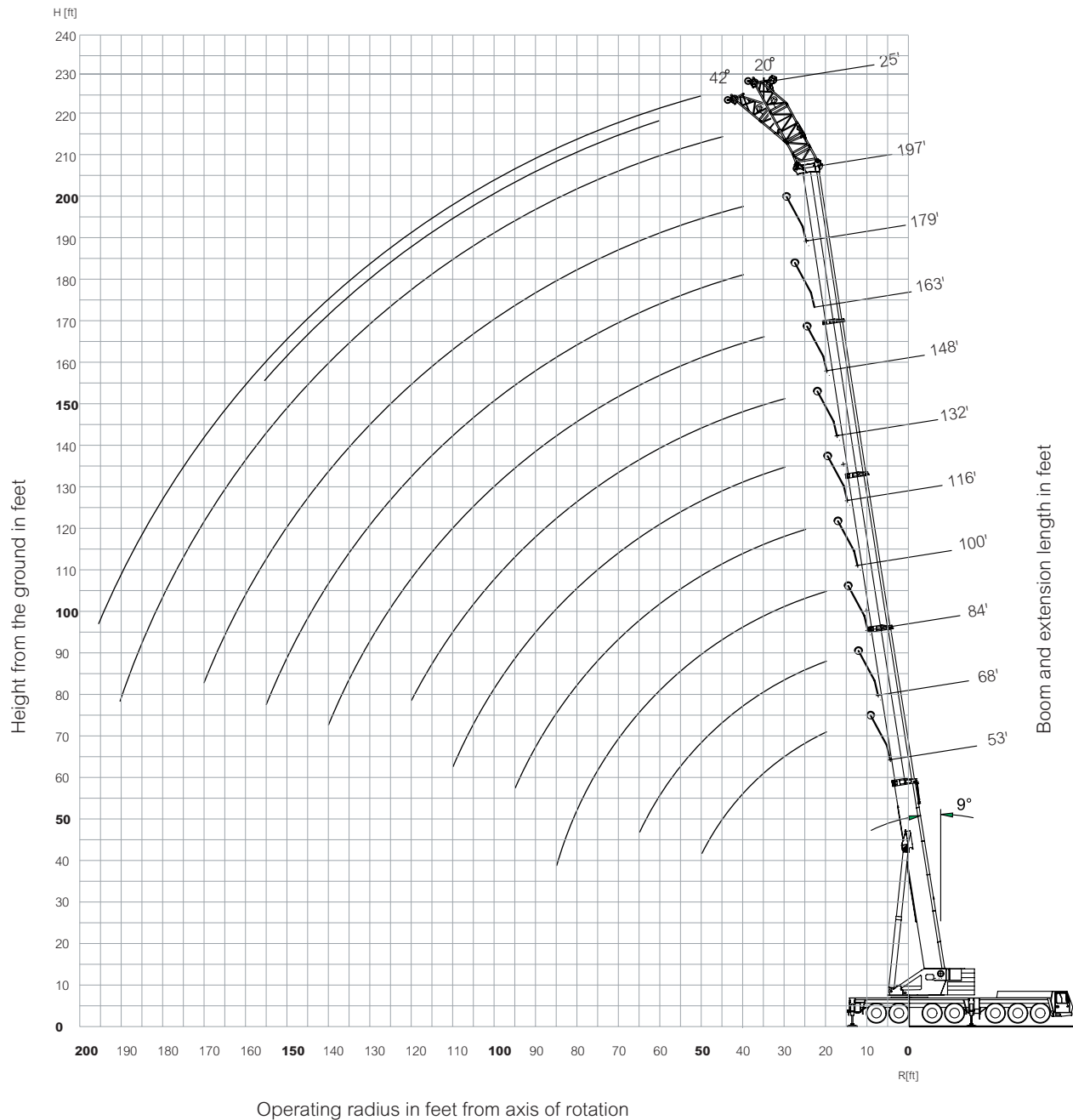
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Courtesy of Crane.Market

working range

Heavy duty jib - 24 ft.

33



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GROVE

GMK 7550

Courtesy of Crane.Market

load charts

34

53-197 ft

24.6 ft

264,500 lbs.

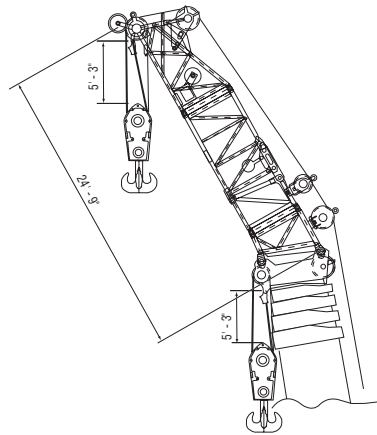
100%
29' 2" Spread

360°



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	78.0	76.0	72.0	72.0
75			75.0		76.0	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	



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GROVE

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Courtesy of Crane.Market

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		



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