LOAD KING CRANE

MODEL NO.

45-150

MOBILE HYDRAULIC CRANE

45 TON

LOAD RATING CHARTS

Do not operate this crane unless
you have read and understood the
information in this book

DO NOT REMOVE THIS BOOK
FROM THE CRANE

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Hoist Tackle Chart

This chart only represents the maximum permissible hoist line load per parts of line. You must refer to the proper lift charts for machine rated loads.

Maximum Permissible Hoist Line Load								
Parts of Line	1	2	3	4	5	6	7	8
Rotation Resistant Rope	11,300	22,600	33,900	45,200	56,500	67,800	79,100	90,400

Wire Rope Information

Rotation Resistant Rope

Diameter	5/8” (16mm)
Construction	37 x 7 Rotation-Resistant
Lay	RH Lang Lay
Grade	2,160 Mpa
Weight	0.84 lbs/ft
Breaking Strength	56,520 lbs

Machine Equipment

1. Boom
    a. Full power, fully synchronized telescopic keel boom
    b. Retracted length = 37.5 ft
    c. Extended length = 150 ft
2. Two-stage extendable jib
    a. Retracted length = 32 ft
    b. Extended length = 49 ft
3. Counterweight

	Total Counterweight (lbs)				
	15,000	11,000	7,000	5,000	3,000
3,000 lb Tray	✔	✔	✔	✔	✔
2,000 lb slab	✔	✔	✔	✔	
2,000 lb slab	✔	✔	✔		
4,000 lb slab	✔	✔			
4,000 lb slab	✔				

Clamshell, Magnet, and Concrete Bucket Service

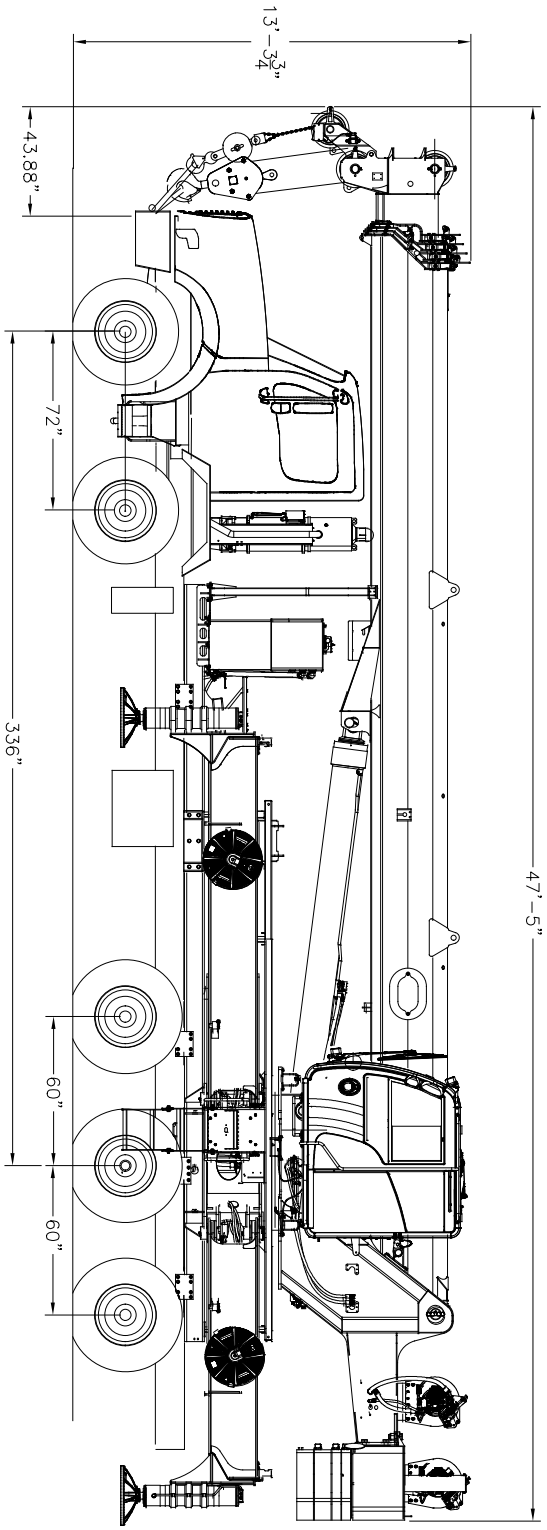
1. Maximum boom length for clamshell and magnet service is 50 ft.
2. Weight of clamshell or magnet, plus contents are not to exceed 6,000 lbs or 90% of rated lifting capacity, whichever is less. For concrete bucket operation, weight of bucket and load must not exceed 90% of rated lifting capacity.

Float Loads

The load shown below is the maximum load on one outrigger. This is not the total load carried by all the outriggers. The load on the other outriggers will be equal to or less than those shown below, depending on the position of the upper structure.

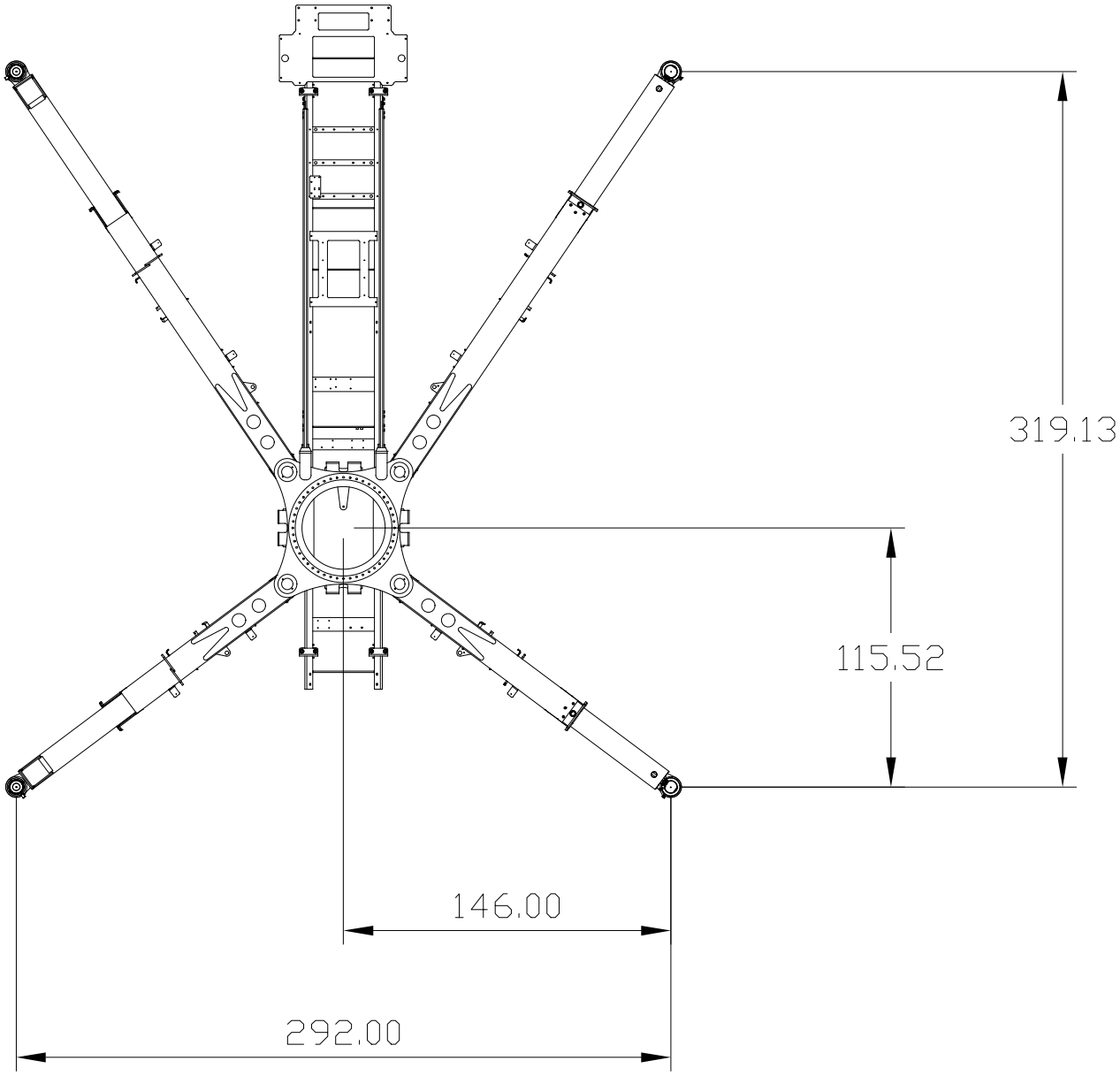
On outriggers
Maximum outrigger load 120,000 lbs

Dimensional Information

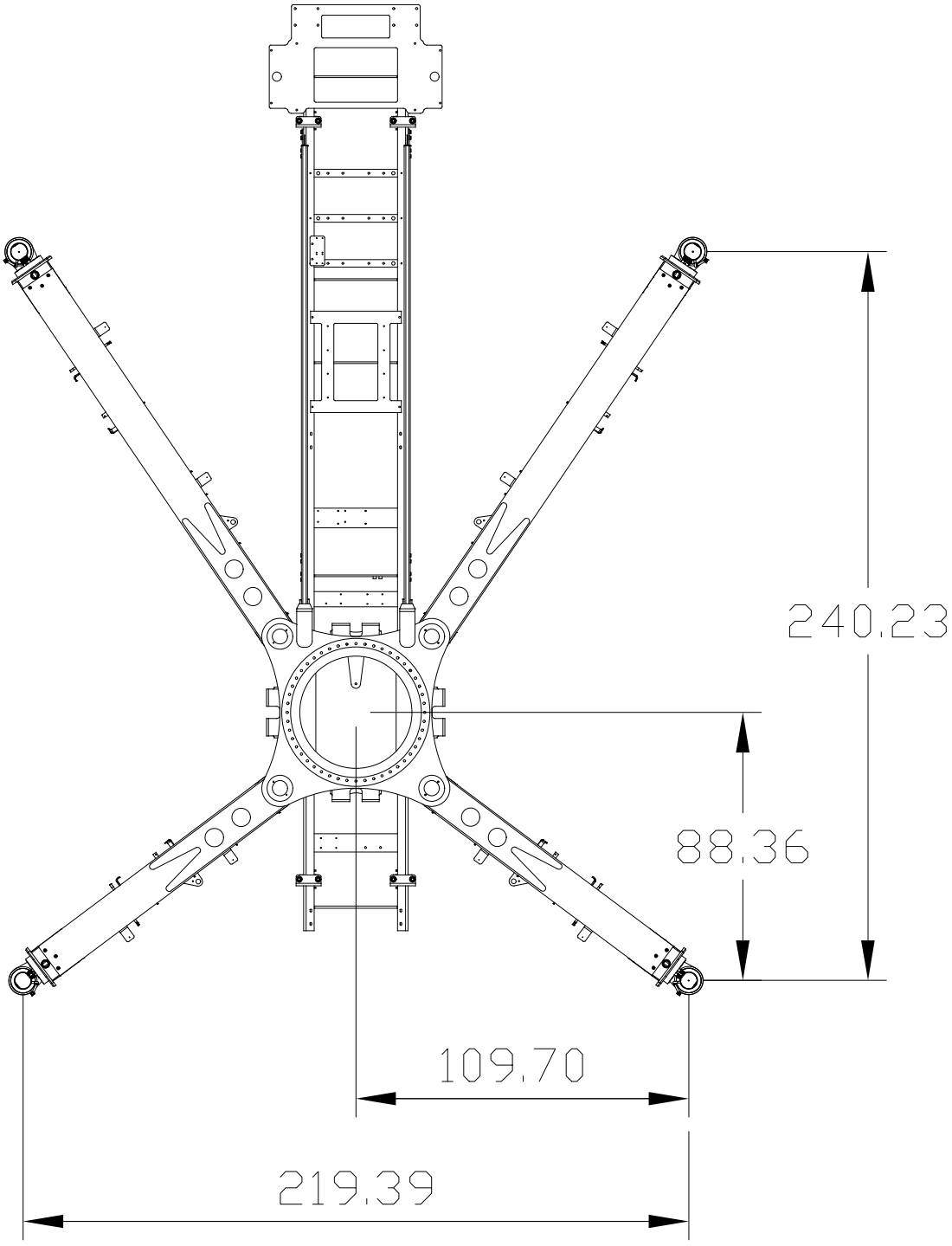


Outrigger Footprint

FULLY EXTENDED



MID POSITION



Setup and Operation

General

1. Rated loads as shown on lift charts pertain to this machine as originally manufactured and equipped. Modifications to the machine or use of optional equipment other than that specified can result in a reduction of capacity.
2. Construction equipment can be hazardous if improperly operated or maintained. Operation and maintenance of this machine shall be in compliance with the information in the Operators, Parts, and Safety manuals supplied with this machine. If these manuals are missing, order replacements from the manufacturer immediately.
3. These warnings do not constitute all possible operating conditions for the crane. The operator and job site supervisor must fully understand the OPERATORS MANUAL, CIMA SAFETY MANUAL, APPLICABLE OSHA REGULATIONS, AND AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME) SAFETY STANDARDS FOR CRANES.
4. This crane and its load ratings are in accordance with
    a. POWER CRANE & SHOVEL ASSOCIATION STANDARD NO. 4
    b. SAE CRANE LOAD STABILITY TEST CODE J-765
    c. SAE METHOD OF TEST FOR CRANE STRUCTURE J-1063
    d. SAFETY CODE FOR MOBILE AND LOCOMOTIVE CRANES ASME/ANSI B30.5.

Definitions

Load Radius	The horizontal distance from the axis of rotation to the center of the vertical hoist line or tackle with a load applied.
Loaded Boom Angle	The angle between the boom base section and the horizontal, after lifting the rated load at the rated radius. The boom angle before loading should be greater to account for deflection. The loaded boom angle combined with the boom length give only an approximation of the operating radius.
Freely Suspended Load	Load hanging free with no direct external force applied except by the hoist line.
Side Load	Horizontal force applied to the lifted load either on the ground or in the air.
Boom Side of Crane	The side of the crane over which the boom is positioned when in an OVER SIDE working position.

Set-Up

1. Crane load ratings are based on the crane being leveled and standing on a firm, uniform supporting surface.
2. Crane loading ratings on outriggers are based on all outrigger beams being fully extended, or in the case of partial extension ratings, mechanically pinned in the appropriate position, and the tires free of the supporting surface.
3. Consult appropriate section of the Operators and Service Manual for more exact description of hoist line reeving.

4. The use of more parts of line than required by the load may result in not having sufficient trope to allow the hook block to reach the ground.
5. Properly maintained wire rope is essential for safe crane operation. Consult Operators Manual for proper maintenance and inspection requirements.
6. When rotation-resistant wire rope is used, the allowable loading shall be the breaking strength of the rope divided by 5.0, unless otherwise specified by the wire rope manufacturer.

Operation

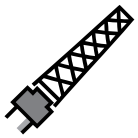
1. Crane load ratings must not be exceeded. Do not attempt to tip the crane to determine allowable load.
2. When either radius or boom length, or both, are between listed values, the smaller of the two listed load ratings shall be used.
3. Do not operate at longer radii than those listed on the applicable load ratings chart.
4. Rated loads include the weight of the hook block, slings, and auxiliary lifting devices. Their weights shall be subtracted from the listed rated load to obtain the net load which can be lifted. When lifting over the jib, the weight of any hook block, slings, and auxiliary lifting devices rigged on the main fall must be added to the load.
5. Weight of wire rope is not included in the chart rated loads. Use working Range Diagrams to estimate boom head height. Weight of wire rope can be calculated using the following formula.
   Wire rope weight = Boom head height (ft) x Parts of line x Weight of rope (lbs/ft)
6. On outriggers, rated loads do not exceed 85% of the tipping load as defined by SAE J-765. All loads below the solid black line on the load chart are stability limited loads. Loads above the solid black line are structurally limited loads. If no solid black line exists, all loads are structurally limited.
7. Rated loads are based on freely suspended loads. No attempt shall be made to drag a load horizontally on the ground in any direction.
8. The user shall operate at reduced ratings to allow for adverse job conditions such as:
   a. Soft or uneven ground
   b. Out of level conditions
   c. High winds
      i. De-rating of the crane lifting capacity is required when the wind speed exceeds 20 MPH.
      ii. The centerline of the lifted load must never be allowed to move more than ‘n’ ft off the center line of the base boom section due to effects of the wind, inertia, or combination of the two, where ‘n’ equals the number boom sections.
   d. Side loads
   e. Pendulum action
   f. Jerking or sudden stopping of the load
   g. Hazardous conditions
   h. (In)experience of personnel
   i. Two machine lifts or tandem lifts
   j. Traveling with loads
   k. Electric wires

9. Due to the variation in loading scenarios and maintenance condition of the crane, the maximum allowable load which can be telescoped cannot be defined. It is permissible to attempt to telescope (extend or retract) any load within the applicable load chart.
10. Load ratings are dependent on the crane being maintained according to the manufacturer's specifications.
11. It is always recommended that load handling devices such as overhaul balls and hook blocks be kept away from the boom head.
12. For cranes not equipped with "X" style outrigger pattern: 360° capacities apply only to machines equipped with a front outrigger jack and all five (5) outrigger jacks are properly set. If the front (5^{th}) outrigger jack is not properly set, the work area is restricted to the over-side and over-rear areas as shown on the Crane Working Positions diagram. Use the 360 load ratings in the over-side work areas.
13. Do not lift with outrigger beams positioned between the fully extended and intermediate (pinned) positions.

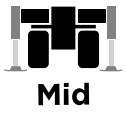
Load Chart Icons



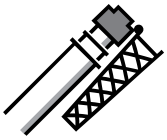
Outriggers fully extended



The jib is erected



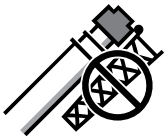
Outriggers extended to mid position



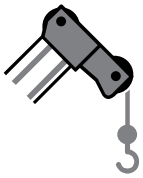
Jib is stowed on side of boom



Outriggers fully retracted



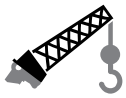
No jib either erected or stowed



Lifting over boom head main fall



Base of jib is erected



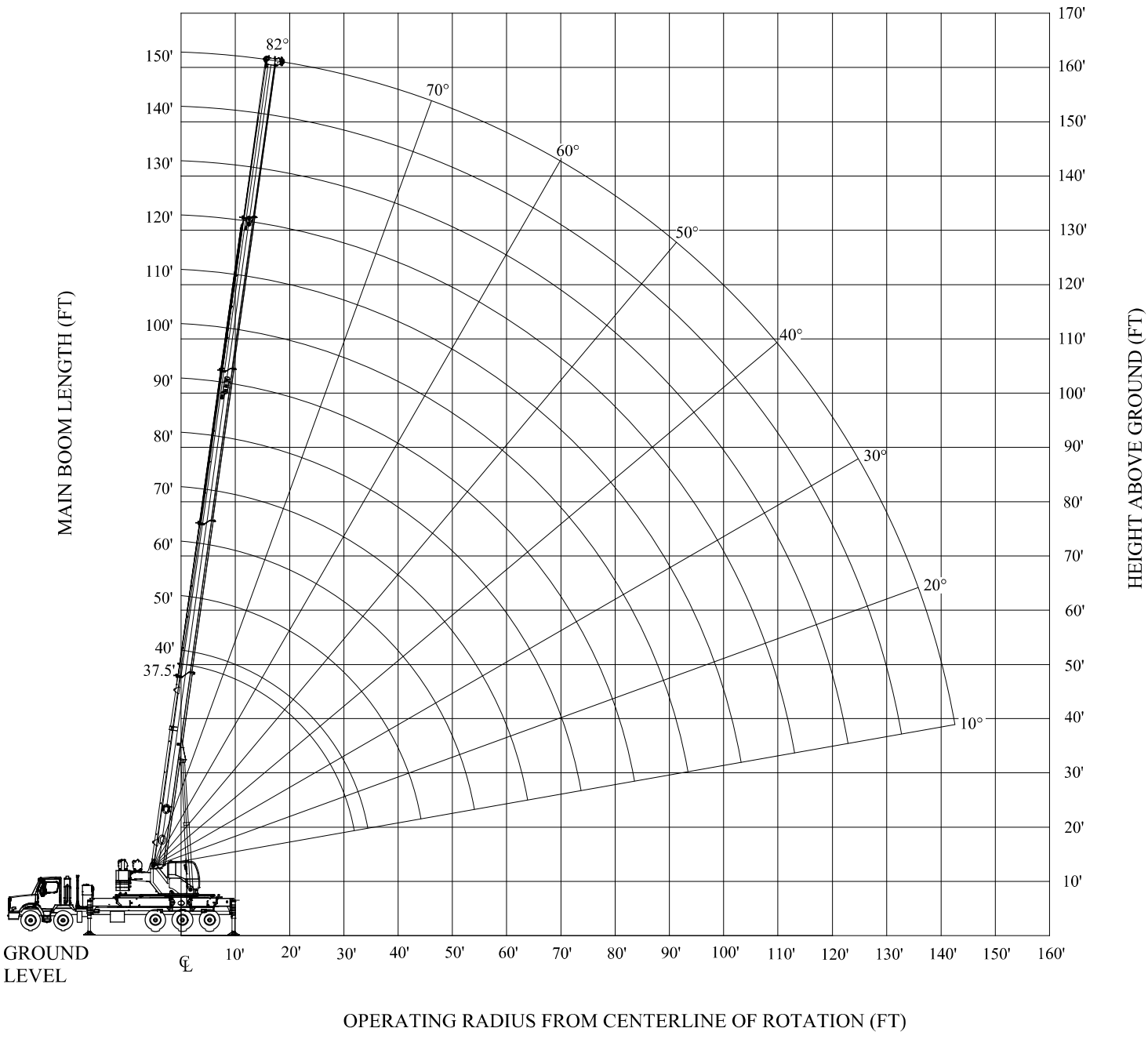
Lifting over erected jib

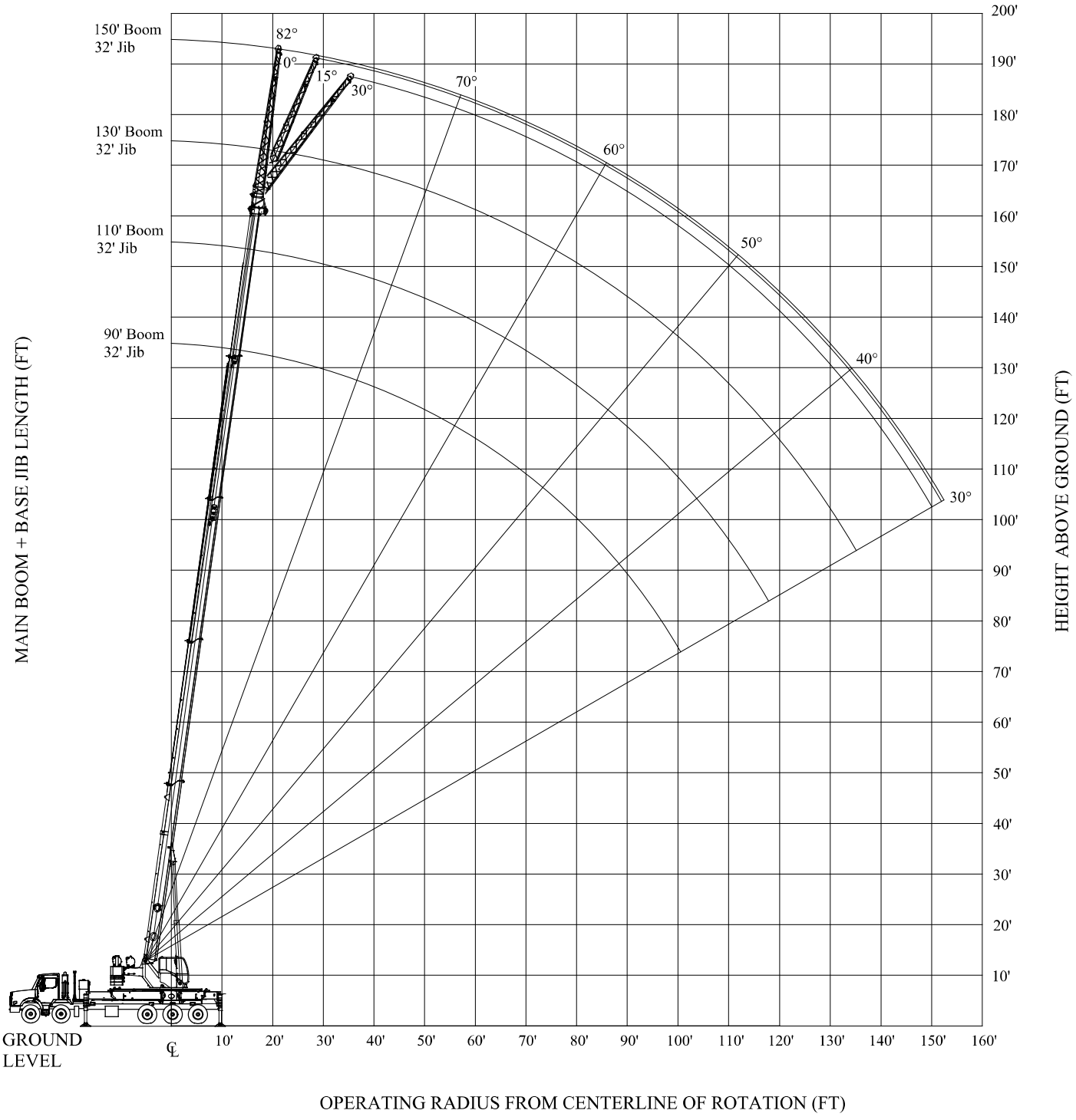


Stinger of jib is erected

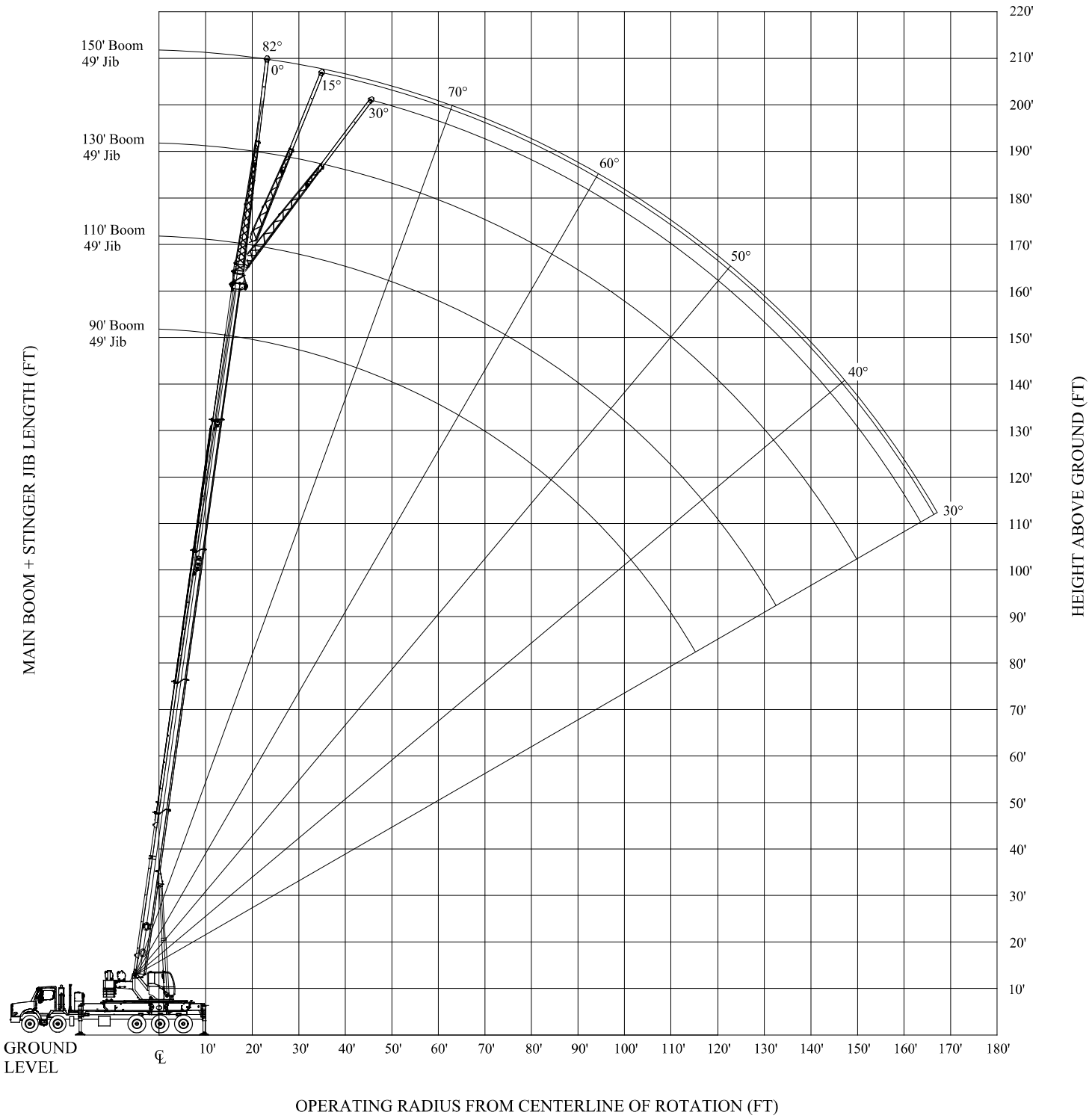
Range Diagrams

Main Boom




150' Boom
32' Jib
130' Boom
32' Jib
110' Boom
32' Jib
90' Boom
32' Jib
82°
0°
15°
30°
70°
60°
50°
40°
30°
MAIN BOOM + BASE JIB LENGTH (FT)
HEIGHT ABOVE GROUND (FT)
GROUND
LEVEL
℄
10' 20' 30' 40' 50' 60' 70' 80' 90' 100' 110' 120' 130' 140' 150' 160'
200' 190' 180' 170' 160' 150' 140' 130' 120' 110' 100' 90' 80' 70' 60' 50' 40' 30' 20' 10'
OPERATING RADIUS FROM CENTERLINE OF ROTATION (FT)

Jib – Stinger Section



Load Chart
Load King 45-150
Load Chart No. 001

	38	40	50	60	70	80	90	100	110	120	130	140	150
10	90,000	49,050	48,200										
12	90,000	49,050	48,200	48,250	47,850								
15	90,000	49,050	48,200	48,250	47,850	48,050	47,900						
20	89,900	49,050	48,200	48,250	47,850	46,300	42,500	38,250	34,000				
25	67,900	49,050	48,200	48,250	44,350	40,550	37,200	33,100	29,600	26,950			
30	48,850	49,050	48,200	44,350	39,600	35,850	32,450	28,850	26,000	23,600	21,550	19,650	
35			37,450	38,100	35,500	31,900	28,500	25,500	23,350	21,150	19,300	17,600	16,050
40			29,100	29,700	30,100	28,350	25,450	23,400	21,000	19,100	17,350	16,050	14,850
45				23,900	24,250	24,500	23,150	21,050	18,850	17,350	16,000	14,400	13,150
50				19,600	20,000	20,200	20,300	19,150	17,150	15,750	14,350	12,950	11,700
55					16,700	16,950	17,050	17,100	15,950	14,300	13,000	11,650	10,450
60					14,100	14,350	14,500	14,550	14,400	12,950	11,700	10,600	9,500
65						12,250	12,400	12,450	12,500	11,950	10,650	9,650	8,700
70						10,550	10,650	10,750	10,800	10,800	9,800	8,800	8,200
75							9,250	9,300	9,350	9,350	9,050	8,400	7,500
80							8,000	8,100	8,150	8,150	8,150	7,750	6,850
85								7,050	7,100	7,100	7,100	7,050	6,350
90								6,100	6,150	6,200	6,200	6,150	5,850
95									5,400	5,400	5,400	5,350	5,300
100									4,650	4,700	4,700	4,700	4,650
105										4,050	4,100	4,050	4,000
110										3,500	3,500	3,500	3,500
115											3,050	3,000	3,000
120											2,550	2,550	2,550
125												2,150	2,150
130												1,800	1,800
135													1,450
140													1,150









Part Number 1044949-RevA

Load Chart
Load King 45-150
Load Chart No. 002

	38	40	50	60	70	80	90	100	110	120	130	140	150
10	90,000	49,050	48,200										
12	90,000	49,050	48,200	48,250	47,850								
15	90,000	49,050	48,200	48,250	47,850	48,050	47,900						
20	62,450	49,050	48,200	48,250	47,850	46,300	42,500	38,250	34,000				
25	42,950	43,300	44,350	44,950	44,350	40,550	37,200	33,100	29,600	26,950			
30	29,950	30,450	31,500	32,050	32,350	32,500	32,450	28,850	26,000	23,600	21,550	19,650	
35			22,450	23,100	23,500	23,700	23,750	23,750	23,350	21,150	19,300	17,600	16,050
40			16,650	17,300	17,650	17,900	17,950	18,000	17,950	17,800	17,350	16,050	14,850
45				13,250	13,650	13,850	13,950	14,000	14,000	13,900	13,800	13,600	13,150
50				10,300	10,700	10,900	11,050	11,100	11,100	11,050	10,950	10,800	10,650
55					8,450	8,700	8,800	8,850	8,900	8,850	8,750	8,650	8,550
60					6,650	6,900	7,050	7,100	7,150	7,100	7,050	7,000	6,850
65						5,500	5,650	5,700	5,750	5,750	5,700	5,600	5,500
70						4,300	4,450	4,550	4,600	4,600	4,550	4,500	4,400
75							3,500	3,550	3,600	3,600	3,600	3,550	3,500
80							2,650	2,750	2,800	2,800	2,800	2,750	2,700
85								2,050	2,100	2,100	2,100	2,050	2,000
90								1,400	1,450	1,500	1,500	1,500	1,450
95									950	950	950	950	900









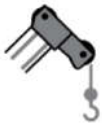
Part Number 1044949-RevA

Load Chart
Load King 45-150
Load Chart No. 003

	38	40	50	60	70	80	90	100	110	120	130	140	150
10	45,650	45,950	46,750										
12	33,300	33,600	34,400	34,750	34,800								
15	22,500	22,800	23,550	23,900	24,050	24,000	23,850						
20	12,950	13,200	14,000	14,400	14,550	14,600	14,550	14,350	14,150				
25	7,700	8,000	8,750	9,150	9,400	9,450	9,450	9,350	9,200	9,000			
30	4,400	4,700	5,450	5,900	6,150	6,250	6,250	6,250	6,100	5,950	5,750	5,550	
35			3,200	3,650	3,900	4,050	4,100	4,050	4,000	3,900	3,750	3,550	3,300
40			1,550	2,000	2,250	2,400	2,500	2,500	2,450	2,350	2,250	2,100	1,900
45					1,000	1,200	1,250	1,300	1,300	1,200	1,100	1,000	850









Load Chart
Load King 45-150
Load Chart No. 007

	90	110	130	150
25	12,000	12,000		
30	12,000	12,000		
35	10,750	12,000	12,000	
40	10,750	10,750	12,000	11,500
45	9,800	10,750	10,750	10,450
50	9,800	10,750	10,250	9,300
55	8,950	9,800	9,400	8,600
60	8,950	8,950	8,550	7,900
65	8,050	8,200	7,850	7,400
70	7,700	7,600	7,250	6,750
75	7,100	7,050	6,800	6,100
80	6,550	6,550	6,350	5,550
85	6,100	6,150	5,900	5,000
90	5,700	5,750	5,550	4,600
95	5,350	5,200	5,050	4,150
100	4,750	4,500	4,350	3,800
105	4,100	3,900	3,750	3,500
110	3,600	3,350	3,200	3,050
115	3,100	2,850	2,750	2,550
120		2,450	2,300	2,150
125		2,050	1,900	1,750
130		1,650	1,550	1,400
135		1,350	1,200	1,050
140			900	750













Part Number 1044949-RevA

Load Chart
Load King 45-150
Load Chart No. 008

	90	110	130	150
30	9,800	9,800		
35	8,950	8,950		
40	8,950	8,950	8,950	
45	8,050	8,950	8,950	8,400
50	8,050	8,050	8,350	7,850
55	7,350	8,050	7,750	7,250
60	7,350	7,350	7,200	6,750
65	6,800	7,100	6,750	6,350
70	6,350	6,650	6,350	5,900
75	6,250	6,200	5,900	5,500
80	5,850	5,850	5,550	5,200
85	5,500	5,500	5,300	4,950
90	5,200	5,150	5,000	4,700
95	4,950	4,950	4,700	4,300
100	4,700	4,650	4,500	3,950
105	4,450	4,350	4,250	3,600
110	3,850	3,750	3,700	3,300
115		3,250	3,150	3,000
120		2,750	2,700	2,550
125		2,300	2,250	2,150
130			1,850	1,750
135			1,500	1,400
140			1,150	1,050
145			850	750













Part Number 1044949-RevA

Load Chart
Load King 45-150
Load Chart No. 009

	90	110	130	150
35	7,350			
40	6,800	7,350		
45	6,800	6,800	6,800	
50	6,350	6,800	6,800	6,750
55	6,350	6,350	6,750	6,350
60	6,050	6,350	6,350	5,900
65	6,050	6,050	6,000	5,550
70	5,750	5,900	5,650	5,300
75	5,550	5,650	5,350	5,000
80	5,400	5,300	5,050	4,750
85	5,150	5,050	4,800	4,500
90	4,950	4,800	4,600	4,300
95	4,700	4,600	4,400	4,100
100	4,500	4,350	4,150	3,950
105		4,150	4,000	3,650
110		3,900	3,800	3,400
115		3,300	3,300	3,050
120			2,800	2,750
125			2,350	2,300
130				1,900
135				1,500
140				1,150













Part Number 1044949-RevA

Load Chart
Load King 45-150
Load Chart No. 013

	90	110	130	150
30	5,250	6,450		
35	5,250	5,250	5,250	
40	4,400	5,250	5,250	
45	4,400	4,400	5,250	5,250
50	4,400	4,400	4,400	5,250
55	3,800	4,400	4,400	4,400
60	3,800	3,800	4,400	4,400
65	3,350	3,800	3,800	4,400
70	3,350	3,800	3,800	3,800
75	3,050	3,350	3,800	3,800
80	3,050	3,350	3,350	3,800
85	2,750	3,050	3,350	3,350
90	2,750	3,050	3,350	3,350
95	2,550	2,750	3,050	3,350
100	2,550	2,750	3,050	3,050
105	2,400	2,550	2,750	3,050
110	2,250	2,550	2,750	3,050
115	2,150	2,400	2,750	2,750
120	2,150	2,400	2,550	2,750
125	2,100	2,250	2,550	2,500
130	2,000	2,250	2,350	2,150
135		2,150	2,000	1,800
140		1,900	1,700	1,500
145		1,600	1,400	1,200
150		1,350	1,150	950
155			900	













Part Number 1044949-RevA

Load Chart
Load King 45-150
Load Chart No. 014

	90	110	130	150
40	3,350	3,800		
45	3,350	3,350	3,800	
50	3,350	3,350	3,350	
55	3,050	3,350	3,350	3,350
60	3,050	3,050	3,050	3,350
65	2,750	3,050	3,050	3,050
70	2,750	2,750	3,050	3,050
75	2,550	2,750	2,750	3,050
80	2,550	2,750	2,750	2,750
85	2,400	2,550	2,750	2,750
90	2,400	2,550	2,550	2,750
95	2,250	2,400	2,550	2,550
100	2,150	2,400	2,550	2,550
105	2,150	2,250	2,400	2,550
110	2,100	2,250	2,400	2,400
115	2,050	2,150	2,250	2,400
120	2,000	2,150	2,250	2,400
125	1,950	2,100	2,150	2,250
130		2,050	2,150	2,250
135		2,050	2,100	2,150
140		2,000	1,950	1,800
145		1,700	1,600	1,500
150			1,350	1,200
155			1,050	900
160			800	













Part Number 1044949-RevA

Load Chart
Load King 45-150
Load Chart No. 015

	90	110	130	150
50	2,550	2,750		
55	2,550	2,550	2,550	
60	2,550	2,550	2,550	
65	2,400	2,550	2,550	2,550
70	2,400	2,400	2,400	2,550
75	2,250	2,400	2,400	2,400
80	2,250	2,250	2,400	2,400
85	2,150	2,250	2,250	2,400
90	2,100	2,150	2,250	2,250
95	2,100	2,150	2,250	2,250
100	2,050	2,100	2,150	2,250
105	2,000	2,100	2,150	2,150
110	2,000	2,050	2,100	2,150
115	1,950	2,050	2,100	2,150
120		2,000	2,050	2,100
125		1,950	2,050	2,100
130		1,950	2,000	2,050
135			2,000	2,050
140			1,950	2,050
145				1,700
150				1,400
155				1,100
160				800











Part Number 1044949-RevA

Load Chart
Load King 45-150
Load Chart No. 031

	38	40	50	60	70	80	90	100	110	120	130	140	150
10	90,000	49,050	48,200										
12	90,000	49,050	48,200	48,250	47,850								
15	90,000	49,050	48,200	48,250	47,850	48,050	47,900						
20	90,000	49,050	48,200	48,250	47,850	46,300	42,500	38,250	34,000				
25	64,800	49,050	48,200	48,250	44,350	40,550	37,200	33,100	29,600	26,950			
30	43,800	44,250	45,450	44,350	39,600	35,850	32,450	28,850	26,000	23,600	21,550	19,650	
35			33,500	34,150	34,500	31,900	28,500	25,500	23,350	21,150	19,300	17,600	16,050
40			25,900	26,500	26,850	27,100	25,450	23,400	21,000	19,100	17,350	16,050	14,850
45				21,200	21,550	21,750	21,850	21,050	18,850	17,350	16,000	14,400	13,150
50				17,300	17,650	17,850	18,000	18,000	17,150	15,750	14,350	12,950	11,700
55					14,650	14,900	15,000	15,050	15,050	14,300	13,000	11,650	10,450
60					12,300	12,550	12,650	12,700	12,750	12,700	11,700	10,600	9,500
65						10,600	10,750	10,850	10,850	10,850	10,650	9,650	8,700
70						9,050	9,200	9,250	9,300	9,300	9,250	8,800	8,200
75							7,850	7,950	8,000	8,000	7,950	7,900	7,500
80							6,750	6,850	6,900	6,900	6,850	6,800	6,750
85								5,850	5,900	5,950	5,900	5,900	5,800
90								5,050	5,100	5,100	5,100	5,050	5,000
95									4,350	4,400	4,400	4,350	4,300
100									3,700	3,750	3,750	3,750	3,700
105										3,200	3,200	3,150	3,150
110										2,650	2,700	2,650	2,650
115											2,250	2,200	2,200
120											1,800	1,800	1,800
125												1,450	1,450
130												1,100	1,100









Part Number 1044949-RevA

Load Chart
Load King 45-150
Load Chart No. 032

	38	40	50	60	70	80	90	100	110	120	130	140	150
10	90,000	49,050	48,200										
12	90,000	49,050	48,200	48,250	47,850								
15	90,000	49,050	48,200	48,250	47,850	48,050	47,900						
20	61,750	49,050	48,200	48,250	47,850	46,300	42,500	38,250	34,000				
25	39,000	39,400	40,400	41,000	41,300	40,550	37,200	33,100	29,600	26,950			
30	25,550	26,000	27,200	27,850	28,250	28,450	28,500	28,400	26,000	23,600	21,550	19,650	
35			19,050	19,700	20,050	20,250	20,350	20,350	20,250	20,100	19,300	17,600	16,050
40			13,900	14,500	14,900	15,100	15,200	15,200	15,150	15,050	14,900	14,700	14,450
45				10,950	11,300	11,500	11,650	11,650	11,650	11,550	11,450	11,300	11,100
50				8,300	8,700	8,900	9,050	9,100	9,050	9,000	8,900	8,800	8,650
55					6,700	6,900	7,050	7,100	7,100	7,050	7,000	6,900	6,750
60					5,100	5,350	5,500	5,550	5,550	5,550	5,500	5,400	5,300
65						4,050	4,200	4,300	4,300	4,300	4,250	4,200	4,100
70						3,000	3,200	3,250	3,300	3,300	3,250	3,200	3,100
75							2,300	2,400	2,450	2,450	2,400	2,350	2,300
80							1,550	1,650	1,700	1,750	1,700	1,650	1,600
85								1,050	1,100	1,100	1,100	1,050	1,000









Part Number 1044949-RevA

Load Chart
Load King 45-150
Load Chart No. 033

	38	40	50	60	70	80	90	100	110	120	130	140	150
10	38,750	39,050	39,850										
12	28,000	28,300	29,050	29,400	29,450								
15	18,550	18,800	19,600	19,950	20,100	20,050	19,850						
20	10,150	10,450	11,200	11,600	11,800	11,850	11,750	11,600	11,350				
25	5,600	5,850	6,600	7,050	7,250	7,350	7,350	7,250	7,100	6,900			
30	2,650	2,950	3,750	4,150	4,400	4,550	4,550	4,500	4,400	4,250	4,050	3,850	
35			1,750	2,200	2,450	2,600	2,650	2,650	2,550	2,450	2,300	2,100	1,900
40					1,050	1,200	1,250	1,300	1,250	1,150	1,000	850	









Load Chart
Load King 45-150
Load Chart No. 037

	90	110	130	150
25	12,000	12,000		
30	12,000	12,000		
35	10,750	12,000	12,000	
40	10,750	10,750	12,000	11,500
45	9,800	10,750	10,750	10,450
50	9,800	10,750	10,250	9,300
55	8,950	9,800	9,400	8,600
60	8,950	8,950	8,550	7,900
65	8,050	8,200	7,850	7,400
70	7,700	7,600	7,250	6,750
75	7,100	7,050	6,800	6,100
80	6,550	6,550	6,350	5,550
85	6,100	6,150	5,900	5,000
90	5,550	5,300	5,150	4,600
95	4,800	4,600	4,450	4,150
100	4,150	3,950	3,800	3,600
105	3,600	3,350	3,200	3,050
110	3,050	2,850	2,700	2,550
115	2,600	2,400	2,250	2,100
120		1,950	1,850	1,700
125		1,600	1,450	1,300
130		1,250	1,100	1,000
135		950	800	













Part Number 1044949-RevA

Load Chart
Load King 45-150
Load Chart No. 038

	90	110	130	150
30	9,800	9,800		
35	8,950	8,950		
40	8,950	8,950	8,950	
45	8,050	8,950	8,950	8,400
50	8,050	8,050	8,350	7,850
55	7,350	8,050	7,750	7,250
60	7,350	7,350	7,200	6,750
65	6,800	7,100	6,750	6,350
70	6,350	6,650	6,350	5,900
75	6,250	6,200	5,900	5,500
80	5,850	5,850	5,550	5,200
85	5,500	5,500	5,300	4,950
90	5,200	5,150	5,000	4,700
95	4,950	4,950	4,700	4,300
100	4,700	4,650	4,500	3,950
105	4,450	4,400	4,300	3,600
110	3,950	3,850	3,750	3,300
115		3,300	3,250	3,000
120		2,800	2,750	2,650
125		2,400	2,350	2,250
130			1,950	1,850
135			1,600	1,500
140			1,250	1,150
145			900	850











Part Number 1044949-RevA

Load Chart
Load King 45-150
Load Chart No. 039

	90	110	130	150
35	7,350			
40	6,800	7,350		
45	6,800	6,800	6,800	
50	6,350	6,800	6,800	6,750
55	6,350	6,350	6,750	6,350
60	6,050	6,350	6,350	5,900
65	6,050	6,050	6,000	5,550
70	5,750	5,900	5,650	5,300
75	5,550	5,650	5,350	5,000
80	5,400	5,300	5,050	4,750
85	5,150	5,050	4,800	4,500
90	4,950	4,800	4,600	4,300
95	4,700	4,600	4,400	4,100
100	4,450	4,350	4,150	3,950
105		3,800	3,750	3,650
110		3,200	3,200	3,100
115		2,650	2,650	2,550
120			2,200	2,100
125			1,750	1,700
130				1,300
135				950













Part Number 1044949-RevA

Load Chart
Load King 45-150
Load Chart No. 043

	90	110	130	150
30	5,250	6,450		
35	5,250	5,250	5,250	
40	4,400	5,250	5,250	
45	4,400	4,400	5,250	5,250
50	4,400	4,400	4,400	5,250
55	3,800	4,400	4,400	4,400
60	3,800	3,800	4,400	4,400
65	3,350	3,800	3,800	4,400
70	3,350	3,800	3,800	3,800
75	3,050	3,350	3,800	3,800
80	3,050	3,350	3,350	3,800
85	2,750	3,050	3,350	3,350
90	2,750	3,050	3,350	3,350
95	2,550	2,750	3,050	3,350
100	2,550	2,750	3,050	3,050
105	2,400	2,550	2,750	3,050
110	2,250	2,550	2,750	3,050
115	2,150	2,400	2,750	2,650
120	2,150	2,400	2,450	2,250
125	2,100	2,250	2,100	1,850
130	2,000	1,950	1,750	1,500
135		1,650	1,400	1,200
140		1,350	1,150	900
145		1,050	850	
150		800		













Part Number 1044949-RevA

Load Chart
Load King 45-150
Load Chart No. 044

	90	110	130	150
40	3,350	3,800		
45	3,350	3,350	3,800	
50	3,350	3,350	3,350	
55	3,050	3,350	3,350	3,350
60	3,050	3,050	3,050	3,350
65	2,750	3,050	3,050	3,050
70	2,750	2,750	3,050	3,050
75	2,550	2,750	2,750	3,050
80	2,550	2,750	2,750	2,750
85	2,400	2,550	2,750	2,750
90	2,400	2,550	2,550	2,750
95	2,250	2,400	2,550	2,550
100	2,150	2,400	2,550	2,550
105	2,150	2,250	2,400	2,550
110	2,100	2,250	2,400	2,400
115	2,050	2,150	2,250	2,400
120	2,000	2,150	2,250	2,400
125	1,950	2,100	2,150	2,250
130		2,050	2,050	1,850
135		1,800	1,700	1,500
140		1,450	1,350	1,200
145		1,150	1,050	900
150			800	













Part Number 1044949-RevA

Load Chart
Load King 45-150
Load Chart No. 045

	90	110	130	150
50	2,550	2,750		
55	2,550	2,550	2,550	
60	2,550	2,550	2,550	
65	2,400	2,550	2,550	2,550
70	2,400	2,400	2,400	2,550
75	2,250	2,400	2,400	2,400
80	2,250	2,250	2,400	2,400
85	2,150	2,250	2,250	2,400
90	2,100	2,150	2,250	2,250
95	2,100	2,150	2,250	2,250
100	2,050	2,100	2,150	2,250
105	2,000	2,100	2,150	2,150
110	2,000	2,050	2,100	2,150
115	1,950	2,050	2,100	2,150
120		2,000	2,050	2,100
125		1,950	2,050	2,100
130		1,950	2,000	2,050
135			1,900	1,800
140			1,550	1,450
145				1,100
150				800













Part Number 1044949-RevA

Load Chart
Load King 45-150
Load Chart No. 046

	90	110	130	150
30	5,250	6,450		
35	5,250	5,250	5,250	
40	4,400	5,250	5,250	
45	4,400	4,400	5,250	5,250
50	4,400	4,400	4,400	5,250
55	3,800	4,400	4,400	4,400
60	3,800	3,800	4,400	4,400
65	3,350	3,800	3,800	4,400
70	3,350	3,800	3,800	3,800
75	3,050	3,350	3,400	3,050
80	3,050	2,950	2,650	2,350
85	2,650	2,300	2,050	1,750
90	2,100	1,750	1,500	1,200
95	1,600	1,250	1,000	750
100	1,150	850		
105	800			











Part Number 1044949-RevA

Load Chart
Load King 45-150
Load Chart No. 047

	90	110	130	150
40	3,350	3,800		
45	3,350	3,350	3,800	
50	3,350	3,350	3,350	
55	3,050	3,350	3,350	3,350
60	3,050	3,050	3,050	3,350
65	2,750	3,050	3,050	3,050
70	2,750	2,750	3,050	3,050
75	2,550	2,750	2,750	3,050
80	2,550	2,750	2,750	2,750
85	2,400	2,550	2,750	2,550
90	2,400	2,450	2,200	1,950
95	2,150	1,900	1,700	1,450
100	1,650	1,400	1,200	1,000
105	1,200	950	800	
110	800			













Part Number 1044949-RevA

Load Chart
Load King 45-150
Load Chart No. 048

	90	110	130	150
50	2,550	2,750		
55	2,550	2,550	2,550	
60	2,550	2,550	2,550	
65	2,400	2,550	2,550	2,550
70	2,400	2,400	2,400	2,550
75	2,250	2,400	2,400	2,400
80	2,250	2,250	2,400	2,400
85	2,150	2,250	2,250	2,400
90	2,100	2,150	2,250	2,250
95	2,100	2,150	2,150	1,950
100	1,900	1,750	1,600	1,450
105	1,400	1,250	1,150	950
110	950	800	700	













Part Number 1044949-RevA

Load Chart
Load King 45-150
Load Chart No. 053

	38	40	50	60	70	80	90	100	110	120	130	140	150
10	90,000	48,450	47,250										
12	90,000	48,450	47,250	47,250	46,750								
15	90,000	48,450	47,250	47,250	46,750	47,100	46,650						
20	88,000	48,450	47,250	47,250	46,750	42,900	39,600	35,200	31,750				
25	53,550	48,450	47,250	45,900	41,150	37,200	34,050	30,550	27,200	24,300			
30	35,700	36,000	36,900	37,450	36,000	32,950	29,850	26,300	23,850	21,250	19,300	17,350	
35			26,800	27,300	27,550	27,750	25,950	23,700	21,000	18,850	16,900	15,450	14,150
40				20,800	21,050	21,250	21,300	21,000	18,700	16,900	15,300	13,900	12,700
45				16,300	16,550	16,750	16,800	16,850	16,850	15,400	13,850	12,350	11,000
50					13,250	13,400	13,500	13,550	13,550	13,500	12,300	10,900	9,650
55						10,900	11,000	11,000	11,050	11,000	10,900	9,600	8,500
60						8,900	9,000	9,050	9,050	9,050	9,000	8,550	7,850
65							7,350	7,400	7,450	7,450	7,400	7,350	7,050
70							6,050	6,100	6,100	6,100	6,100	6,050	6,000
75								5,000	5,000	5,000	5,000	4,950	4,900
80									4,050	4,050	4,050	4,050	4,000
85									3,250	3,250	3,250	3,250	3,200
90										2,550	2,550	2,550	2,500
95											1,950	1,900	1,900
100											1,400	1,400	1,350













Part Number 1044949-RevA

Load Chart
Load King 45-150
Load Chart No. 054

	38	40	50	60	70	80	90	100	110	120	130	140	150
10	90,000	48,450	47,250										
12	90,000	48,450	47,250	47,250	46,750								
15	90,000	48,450	47,250	47,250	46,750	47,100	46,650						
20	55,350	48,450	47,250	47,250	46,750	42,900	39,600	35,200	31,750				
25	34,600	34,950	35,800	36,250	36,500	36,600	34,050	30,550	27,200	24,300			
30	21,750	22,100	23,000	23,550	23,850	24,000	24,050	24,000	23,850	21,250	19,300	17,350	
35			15,800	16,300	16,550	16,750	16,800	16,800	16,750	16,650	16,500	15,450	14,150
40				11,700	11,950	12,150	12,200	12,250	12,200	12,150	12,000	11,850	11,700
45				8,550	8,800	9,000	9,050	9,100	9,100	9,050	8,950	8,850	8,700
50					6,500	6,650	6,750	6,800	6,800	6,750	6,700	6,600	6,500
55						4,900	5,000	5,050	5,050	5,050	4,950	4,900	4,800
60						3,500	3,600	3,650	3,700	3,650	3,650	3,550	3,500
65							2,500	2,550	2,600	2,550	2,550	2,500	2,400
70							1,550	1,650	1,650	1,650	1,650	1,600	1,550













Part Number 1044949-RevA

Load Chart
Load King 45-150
Load Chart No. 055

	38	40	50	60	70	80	90	100	110	120	130	140	150
10	90,000	48,400	47,200										
12	90,000	48,400	47,200	47,100	44,900								
15	90,000	48,400	47,200	47,100	44,900	47,000	46,600						
20	88,000	48,400	47,200	47,100	44,900	44,250	41,000	36,400	32,400				
25	53,800	48,400	47,200	47,000	42,250	38,350	35,150	31,100	27,700	25,250			
30	35,750	36,150	37,150	37,750	36,850	33,800	30,350	26,850	24,300	21,700	19,700	17,750	
35			26,950	27,500	27,800	28,000	26,450	23,800	21,400	19,200	17,150	15,850	14,250
40			20,400	20,950	21,250	21,450	21,500	21,350	19,000	17,150	15,600	14,200	12,900
45				16,350	16,700	16,850	16,950	17,000	16,900	15,650	14,050	12,500	11,200
50				13,000	13,350	13,550	13,650	13,700	13,700	13,650	12,450	11,000	9,800
55					10,750	10,950	11,050	11,150	11,150	11,100	10,950	9,800	8,550
60					8,750	8,950	9,050	9,100	9,150	9,150	9,100	8,800	7,900
65						7,300	7,400	7,500	7,500	7,500	7,500	7,450	7,000
70						5,950	6,050	6,150	6,200	6,200	6,150	6,100	6,050
75							4,950	5,000	5,050	5,050	5,050	5,000	4,950
80							3,950	4,050	4,100	4,100	4,100	4,100	4,050
85								3,250	3,300	3,300	3,300	3,250	3,250
90								2,500	2,550	2,600	2,600	2,550	2,550
95									1,950	1,950	1,950	1,950	1,900
100									1,400	1,400	1,400	1,400	1,400













Part Number 1044949-RevA

Load Chart
Load King 45-150
Load Chart No. 061

	38	40	50	60	70	80	90	100	110	120	130	140	150
10	90,000	49,050	48,200										
12	90,000	49,050	48,200	48,250	47,850								
15	90,000	49,050	48,200	48,250	47,850	48,050	47,900						
20	90,000	49,050	48,200	48,250	47,850	46,300	42,500	38,250	34,000				
25	58,250	49,050	48,200	48,250	44,350	40,550	37,200	33,100	29,600	26,950			
30	39,100	39,550	40,750	41,400	39,600	35,850	32,450	28,850	26,000	23,600	21,550	19,650	
35			29,900	30,500	30,900	31,100	28,500	25,500	23,350	21,150	19,300	17,600	16,050
40			22,950	23,550	23,900	24,100	24,200	23,400	21,000	19,100	17,350	16,050	14,850
45				18,700	19,050	19,300	19,400	19,400	18,850	17,350	16,000	14,400	13,150
50				15,150	15,500	15,750	15,850	15,900	15,900	15,750	14,350	12,950	11,700
55					12,800	13,000	13,150	13,200	13,200	13,150	13,000	11,650	10,450
60					10,600	10,850	11,000	11,050	11,100	11,050	11,000	10,600	9,500
65						9,100	9,250	9,350	9,350	9,350	9,300	9,200	8,700
70						7,700	7,850	7,900	7,950	7,950	7,900	7,850	7,750
75							6,650	6,700	6,750	6,750	6,750	6,700	6,600
80							5,600	5,700	5,750	5,750	5,750	5,700	5,600
85								4,850	4,900	4,900	4,900	4,850	4,800
90								4,050	4,150	4,150	4,150	4,100	4,050
95									3,450	3,500	3,500	3,450	3,400
100									2,900	2,900	2,900	2,900	2,850
105										2,400	2,400	2,400	2,350
110										1,950	1,950	1,950	1,900
115											1,550	1,550	1,500
120											1,150	1,150	1,150
125												800	









Part Number 1044949-RevA

Load Chart
Load King 45-150
Load Chart No. 062

	38	40	50	60	70	80	90	100	110	120	130	140	150
10	90,000	49,050	48,200										
12	90,000	49,050	48,200	48,250	47,850								
15	90,000	49,050	48,200	48,250	47,850	48,050	47,900						
20	55,850	49,050	48,200	48,250	47,850	46,300	42,500	38,250	34,000				
25	33,600	34,100	35,450	36,200	36,600	36,750	36,750	33,100	29,600	26,950			
30	20,950	21,400	22,600	23,250	23,650	23,850	23,900	23,800	23,650	23,450	21,550	19,650	
35			15,500	16,150	16,500	16,700	16,800	16,750	16,700	16,500	16,300	16,050	15,750
40			11,000	11,600	11,950	12,200	12,300	12,300	12,250	12,150	12,000	11,800	11,550
45				8,450	8,850	9,050	9,200	9,200	9,200	9,100	9,000	8,850	8,650
50				6,200	6,550	6,800	6,900	6,950	6,950	6,900	6,800	6,650	6,500
55					4,800	5,050	5,150	5,250	5,250	5,200	5,150	5,050	4,900
60					3,450	3,650	3,800	3,900	3,900	3,900	3,800	3,750	3,600
65						2,550	2,700	2,800	2,800	2,800	2,750	2,700	2,600
70						1,650	1,800	1,900	1,950	1,950	1,900	1,850	1,750
75							1,050	1,150	1,200	1,200	1,150	1,100	1,050









Part Number 1044949-RevA

Load Chart
Load King 45-150
Load Chart No. 063

	38	40	50	60	70	80	90	100	110	120	130	140	150
10	32,550	32,850	33,650										
12	23,150	23,450	24,250	24,550	24,650								
15	14,900	15,200	15,950	16,300	16,450	16,400	16,250						
20	7,600	7,900	8,650	9,050	9,250	9,250	9,200	9,050	8,800				
25	3,600	3,900	4,650	5,050	5,300	5,400	5,350	5,250	5,100	4,900			
30		1,350	2,150	2,550	2,800	2,950	2,950	2,900	2,800	2,650	2,450	2,200	
35					1,100	1,250	1,300	1,300	1,200	1,100	950		









Part Number 1044949-RevA

Load Chart
Load King 45-150
Load Chart No. 067

	90	110	130	150
25	12,000	12,000		
30	12,000	12,000		
35	10,750	12,000	12,000	
40	10,750	10,750	12,000	11,500
45	9,800	10,750	10,750	10,450
50	9,800	10,750	10,250	9,300
55	8,950	9,800	9,400	8,600
60	8,950	8,950	8,550	7,900
65	8,050	8,200	7,850	7,400
70	7,700	7,600	7,250	6,750
75	7,100	7,000	6,800	6,100
80	6,250	5,950	5,800	5,550
85	5,350	5,100	4,900	4,700
90	4,550	4,300	4,150	3,950
95	3,900	3,650	3,500	3,300
100	3,300	3,050	2,900	2,700
105	2,750	2,500	2,400	2,200
110	2,250	2,050	1,900	1,750
115	1,850	1,650	1,500	1,350
120		1,250	1,100	950
125		900	750	











Part Number 1044949-RevA

Load Chart
Load King 45-150
Load Chart No. 068

	90	110	130	150
30	9,800	9,800		
35	8,950	8,950		
40	8,950	8,950	8,950	
45	8,050	8,950	8,950	8,400
50	8,050	8,050	8,350	7,850
55	7,350	8,050	7,750	7,250
60	7,350	7,350	7,200	6,750
65	6,800	7,100	6,750	6,350
70	6,350	6,650	6,350	5,900
75	6,250	6,200	5,900	5,500
80	5,850	5,850	5,550	5,200
85	5,500	5,500	5,300	4,950
90	4,850	4,700	4,600	4,400
95	4,150	4,000	3,900	3,700
100	3,500	3,350	3,250	3,100
105	2,900	2,800	2,700	2,550
110	2,350	2,250	2,200	2,050
115		1,800	1,750	1,650
120		1,400	1,350	1,250
125		1,000	950	850











Part Number 1044949-RevA

Load Chart
Load King 45-150
Load Chart No. 069

	90	110	130	150
35	7,350			
40	6,800	7,350		
45	6,800	6,800	6,800	
50	6,350	6,800	6,800	6,750
55	6,350	6,350	6,750	6,350
60	6,050	6,350	6,350	5,900
65	6,050	6,050	6,000	5,550
70	5,750	5,900	5,650	5,300
75	5,550	5,650	5,350	5,000
80	5,400	5,300	5,050	4,750
85	5,150	5,050	4,800	4,500
90	4,950	4,800	4,600	4,300
95	4,300	4,250	4,200	4,050
100	3,600	3,550	3,550	3,400
105		2,950	2,950	2,800
110		2,400	2,400	2,300
115		1,900	1,950	1,850
120			1,500	1,400
125			1,100	1,050









Part Number 1044949-RevA

Load Chart
Load King 45-150
Load Chart No. 085

	38	40	50	60	70	80	90	100	110	120	130	140	150
10	90,000	48,400	47,200										
12	90,000	48,400	47,200	47,100	44,900								
15	90,000	48,400	47,200	47,100	44,900	47,000	46,600						
20	86,300	48,400	47,200	47,100	44,900	44,250	41,000	36,400	32,400				
25	48,600	48,400	47,200	47,000	42,250	38,350	35,150	31,100	27,700	25,250			
30	32,000	32,400	33,400	34,000	34,350	33,800	30,350	26,850	24,300	21,700	19,700	17,750	
35			24,000	24,550	24,900	25,050	25,150	23,800	21,400	19,200	17,150	15,850	14,250
40			18,000	18,550	18,850	19,050	19,100	19,150	19,000	17,150	15,600	14,200	12,900
45				14,350	14,650	14,850	14,950	14,950	14,950	14,900	14,050	12,500	11,200
50				11,250	11,550	11,750	11,850	11,900	11,900	11,850	11,800	11,000	9,800
55					9,200	9,400	9,500	9,550	9,600	9,550	9,500	9,450	8,550
60					7,350	7,550	7,650	7,700	7,750	7,750	7,700	7,650	7,550
65						6,050	6,150	6,200	6,250	6,250	6,200	6,150	6,100
70						4,800	4,900	5,000	5,000	5,000	5,000	4,950	4,900
75							3,850	3,950	4,000	4,000	4,000	3,950	3,900
80							3,000	3,050	3,100	3,150	3,100	3,100	3,050
85								2,300	2,350	2,400	2,400	2,350	2,300
90								1,650	1,700	1,700	1,700	1,700	1,650
95									1,100	1,150	1,150	1,150	1,100











Part Number 1044949-RevA

Load Chart
Load King 45-150
Load Chart No. 086

	38	40	50	60	70	80	90	100	110	120	130	140	150
10	90,000	48,400	47,200										
12	90,000	48,400	47,200	47,100	44,900								
15	90,000	48,400	47,200	47,100	44,900	47,000	46,600						
20	49,900	48,400	47,200	47,100	44,900	44,250	41,000	36,400	32,400				
25	29,300	29,750	30,950	31,600	31,950	32,100	32,100	31,100	27,700	25,250			
30	17,800	18,200	19,250	19,850	20,200	20,350	20,400	20,400	20,250	20,100	19,700	17,750	
35			12,850	13,400	13,700	13,900	13,950	13,950	13,900	13,800	13,650	13,450	13,200
40			8,750	9,300	9,600	9,800	9,900	9,900	9,850	9,800	9,700	9,550	9,350
45				6,450	6,750	6,950	7,050	7,100	7,100	7,050	6,950	6,850	6,700
50				4,400	4,700	4,900	5,000	5,050	5,050	5,000	4,950	4,850	4,750
55					3,150	3,350	3,450	3,500	3,500	3,500	3,450	3,350	3,250
60					1,900	2,100	2,200	2,250	2,300	2,300	2,250	2,200	2,100
65						1,100	1,200	1,300	1,300	1,300	1,300	1,200	1,150













Part Number 1044949-RevA

Load Chart
Load King 45-150
Load Chart No. 087

	38	40	50	60	70	80	90	100	110	120	130	140	150
10	90,000	48,550	47,350										
12	90,000	48,550	47,350	47,300	46,750								
15	90,000	48,550	47,350	47,300	46,750	47,150	46,950						
20	85,200	48,550	47,350	47,300	46,750	43,200	39,950	35,500	31,900				
25	48,000	48,400	47,350	45,900	41,250	37,400	34,300	30,650	27,250	24,850			
30	31,650	32,000	32,950	33,500	33,800	33,000	29,900	26,350	23,900	21,350	19,350	17,400	
35			23,700	24,200	24,500	24,650	24,700	23,550	21,050	18,850	16,900	15,550	14,150
40			17,750	18,250	18,550	18,700	18,800	18,800	18,700	16,900	15,300	13,950	12,700
45				14,100	14,400	14,550	14,650	14,700	14,650	14,600	13,850	12,300	11,000
50				11,050	11,350	11,550	11,650	11,650	11,650	11,650	11,550	10,850	9,650
55					9,050	9,200	9,300	9,350	9,350	9,350	9,300	9,200	8,450
60					7,200	7,400	7,500	7,550	7,550	7,550	7,500	7,450	7,350
65						5,900	6,000	6,050	6,100	6,100	6,050	6,000	5,900
70						4,700	4,800	4,850	4,900	4,850	4,850	4,800	4,750
75							3,750	3,850	3,850	3,850	3,850	3,800	3,750
80							2,900	2,950	3,000	3,000	3,000	2,950	2,900
85								2,200	2,250	2,250	2,250	2,250	2,200
90									1,600	1,600	1,600	1,600	1,550
95									1,050	1,050	1,050	1,050	1,000













Part Number 1044949-RevA

Load Chart
Load King 45-150
Load Chart No. 088

	38	40	50	60	70	80	90	100	110	120	130	140	150
10	90,000	48,550	47,350										
12	90,000	48,550	47,350	47,300	46,750								
15	90,000	48,550	47,350	47,300	46,750	47,150	46,950						
20	49,450	48,550	47,350	47,300	46,750	43,200	39,950	35,500	31,900				
25	28,400	28,800	29,900	30,550	30,900	31,050	31,050	30,650	27,250	24,850			
30	17,250	17,600	18,600	19,150	19,450	19,650	19,650	19,600	19,500	19,350	19,100	17,400	
35			12,300	12,850	13,150	13,350	13,400	13,400	13,300	13,200	13,050	12,850	12,600
40			8,350	8,850	9,150	9,350	9,400	9,450	9,400	9,300	9,200	9,050	8,850
45				6,100	6,400	6,600	6,700	6,700	6,700	6,650	6,550	6,400	6,300
50				4,100	4,400	4,600	4,700	4,700	4,700	4,700	4,600	4,500	4,400
55					2,850	3,050	3,150	3,200	3,200	3,200	3,150	3,050	2,950
60					1,650	1,850	1,950	2,000	2,050	2,000	1,950	1,900	1,800
65								1,050	1,050	1,050	1,050		













Part Number 1044949-RevA

Load Chart
Load King 45-150
Load Chart No. 089

	38	40	50	60	70	80	90	100	110	120	130	140	150
10	90,000	48,650	47,450										
12	90,000	48,650	47,450	47,450	46,950								
15	90,000	48,650	47,450	47,450	46,950	47,250	46,100						
20	84,800	48,650	47,450	47,450	46,550	42,250	38,950	34,700	31,250				
25	47,850	48,200	47,450	44,900	40,300	36,500	33,800	30,200	26,850	24,050			
30	31,600	31,950	32,800	33,300	33,600	32,300	29,500	26,000	23,550	21,000	19,050	17,100	
35			23,600	24,050	24,350	24,500	24,550	23,250	20,700	18,600	16,750	15,250	13,950
40				18,150	18,450	18,600	18,650	18,650	18,400	16,900	15,050	13,700	12,550
45				14,050	14,300	14,500	14,550	14,600	14,550	14,500	13,600	12,200	10,900
50					11,300	11,450	11,550	11,600	11,550	11,550	11,450	10,750	9,550
55						9,150	9,250	9,300	9,300	9,250	9,200	9,100	8,450
60						7,350	7,450	7,500	7,500	7,450	7,400	7,350	7,250
65							5,950	6,000	6,050	6,000	6,000	5,950	5,850
70							4,750	4,800	4,850	4,850	4,800	4,750	4,700
75								3,800	3,850	3,850	3,800	3,750	3,700
80									3,000	3,000	2,950	2,900	2,850
85									2,250	2,250	2,250	2,200	2,150
90										1,600	1,600	1,550	1,550
95											1,050	1,000	1,000













Part Number 1044949-RevA

Load Chart
Load King 45-150
Load Chart No. 090

	38	40	50	60	70	80	90	100	110	120	130	140	150
10	90,000	48,650	47,450										
12	90,000	48,650	47,450	47,450	46,950								
15	90,000	48,650	47,450	47,450	46,950	47,250	46,100						
20	49,250	48,650	47,450	47,450	46,550	42,250	38,950	34,700	31,250				
25	28,250	28,650	29,700	30,300	30,600	30,750	30,700	30,200	26,850	24,050			
30	17,250	17,550	18,450	19,000	19,300	19,450	19,450	19,400	19,300	19,100	18,900	17,100	
35			12,250	12,750	13,050	13,200	13,250	13,250	13,150	13,050	12,900	12,650	12,450
40				8,800	9,100	9,250	9,300	9,350	9,300	9,200	9,100	8,900	8,750
45				6,100	6,350	6,550	6,600	6,650	6,600	6,550	6,450	6,350	6,200
50					4,400	4,550	4,650	4,650	4,650	4,600	4,550	4,450	4,300
55						3,050	3,150	3,150	3,150	3,150	3,100	3,000	2,900
60						1,850	1,950	2,000	2,000	2,000	1,950	1,850	1,750
65								1,050	1,050	1,050	1,000		













Part Number 1044949-RevA

Load Chart
Load King 45-150
Load Chart No. 091

	38	40	50	60	70	80	90	100	110	120	130	140	150
10	90,000	49,050	48,200										
12	90,000	49,050	48,200	48,250	47,850								
15	90,000	49,050	48,200	48,250	47,850	48,050	47,900						
20	90,000	49,050	48,200	48,250	47,850	46,300	42,500	38,250	34,000				
25	55,600	49,050	48,200	48,250	44,350	40,550	37,200	33,100	29,600	26,950			
30	37,200	37,650	38,850	39,500	39,600	35,850	32,450	28,850	26,000	23,600	21,550	19,650	
35			28,400	29,000	29,400	29,600	28,500	25,500	23,350	21,150	19,300	17,600	16,050
40			21,700	22,300	22,700	22,900	23,000	23,000	21,000	19,100	17,350	16,050	14,850
45				17,650	18,000	18,250	18,350	18,350	18,300	17,350	16,000	14,400	13,150
50				14,200	14,600	14,800	14,950	14,950	14,950	14,900	14,350	12,950	11,700
55					11,950	12,200	12,300	12,350	12,350	12,350	12,250	11,650	10,450
60					9,900	10,150	10,250	10,300	10,350	10,300	10,250	10,150	9,500
65						8,450	8,600	8,650	8,700	8,700	8,600	8,550	8,450
70						7,050	7,200	7,300	7,350	7,300	7,300	7,200	7,100
75							6,050	6,150	6,200	6,200	6,150	6,100	6,050
80							5,100	5,200	5,200	5,200	5,200	5,150	5,100
85								4,350	4,400	4,400	4,400	4,350	4,300
90								3,600	3,650	3,700	3,650	3,650	3,600
95									3,000	3,050	3,050	3,000	2,950
100									2,450	2,500	2,500	2,450	2,450
105										2,000	2,000	2,000	1,950
110										1,550	1,550	1,550	1,500
115											1,150	1,150	1,150







Part Number 1044949-RevA

Load Chart
Load King 45-150
Load Chart No. 092

	38	40	50	60	70	80	90	100	110	120	130	140	150
10	90,000	49,050	48,200										
12	90,000	49,050	48,200	48,250	47,850								
15	90,000	49,050	48,200	48,250	47,850	48,050	47,900						
20	53,050	49,050	48,200	48,250	47,850	46,300	42,500	38,250	34,000				
25	30,050	30,550	31,900	32,650	33,050	33,200	33,200	33,050	29,600	26,950			
30	18,450	18,900	20,100	20,800	21,150	21,350	21,400	21,350	21,200	20,950	20,650	19,650	
35			13,600	14,250	14,600	14,800	14,900	14,850	14,750	14,600	14,400	14,150	13,850
40			9,450	10,050	10,450	10,650	10,750	10,750	10,700	10,600	10,450	10,250	10,000
45				7,200	7,550	7,800	7,900	7,950	7,900	7,850	7,700	7,550	7,350
50				5,100	5,450	5,700	5,800	5,850	5,850	5,800	5,700	5,600	5,400
55					3,850	4,100	4,200	4,300	4,300	4,250	4,200	4,100	3,950
60					2,600	2,850	2,950	3,050	3,050	3,050	3,000	2,900	2,800
65						1,800	1,950	2,050	2,050	2,050	2,000	1,950	1,850
70						950	1,100	1,200	1,250	1,250	1,200	1,150	1,100









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Load Chart
Load King 45-150
Load Chart No. 093

	38	40	50	60	70	80	90	100	110	120	130	140	150
10	30,950	31,250	32,050										
12	21,800	22,100	22,900	23,250	23,300								
15	13,850	14,100	14,850	15,250	15,350	15,350	15,150						
20	6,750	7,050	7,800	8,200	8,350	8,400	8,350	8,200	7,950				
25	2,900	3,150	3,900	4,350	4,550	4,650	4,650	4,550	4,400	4,150			
30			1,500	1,900	2,150	2,250	2,300	2,250	2,150	2,000	1,800	1,550	









Load Chart
Load King 45-150
Load Chart No. 097

	38	40	50	60	70	80	90	100	110	120	130	140	150
10	90,000	49,050	48,200										
12	90,000	49,050	48,200	48,250	47,850								
15	90,000	49,050	48,200	48,250	47,850	48,050	47,900						
20	90,000	49,050	48,200	48,250	47,850	46,300	42,500	38,250	34,000				
25	53,200	49,050	48,200	48,250	44,350	40,550	37,200	33,100	29,600	26,950			
30	35,450	35,900	37,050	37,750	38,100	35,850	32,450	28,850	26,000	23,600	21,550	19,650	
35			27,000	27,650	28,000	28,200	28,250	25,500	23,350	21,150	19,300	17,600	16,050
40			20,550	21,150	21,550	21,750	21,800	21,800	21,000	19,100	17,350	16,050	14,850
45				16,650	17,050	17,250	17,350	17,350	17,350	17,250	16,000	14,400	13,150
50				13,350	13,700	13,950	14,050	14,100	14,100	14,000	13,900	12,950	11,700
55					11,200	11,400	11,550	11,600	11,600	11,550	11,450	11,350	10,450
60					9,200	9,400	9,550	9,600	9,650	9,600	9,550	9,450	9,300
65						7,800	7,950	8,000	8,050	8,000	7,950	7,900	7,800
70						6,450	6,600	6,700	6,750	6,700	6,700	6,600	6,500
75							5,500	5,600	5,650	5,650	5,600	5,550	5,450
80							4,550	4,650	4,700	4,700	4,700	4,650	4,550
85								3,850	3,900	3,900	3,900	3,850	3,800
90								3,150	3,200	3,200	3,200	3,150	3,100
95									2,550	2,600	2,600	2,550	2,500
100									2,050	2,050	2,050	2,050	2,000
105										1,600	1,600	1,600	1,550
110										1,150	1,150	1,150	1,150








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Load Chart
Load King 45-150
Load Chart No. 098

	38	40	50	60	70	80	90	100	110	120	130	140	150
10	90,000	49,050	48,200										
12	90,000	49,050	48,200	48,250	47,850								
15	90,000	49,050	48,200	48,250	47,850	48,050	47,900						
20	50,050	49,050	48,200	48,250	47,850	46,300	42,500	38,250	34,000				
25	27,050	27,550	28,900	29,650	30,050	30,250	30,200	30,050	29,600	26,950			
30	16,300	16,750	17,950	18,650	19,000	19,200	19,250	19,200	19,050	18,800	18,500	18,150	
35			11,900	12,550	12,900	13,150	13,200	13,200	13,100	12,950	12,750	12,450	12,150
40			8,050	8,700	9,050	9,250	9,350	9,400	9,300	9,200	9,050	8,850	8,600
45				6,000	6,400	6,600	6,700	6,750	6,750	6,650	6,550	6,350	6,200
50				4,050	4,450	4,650	4,800	4,850	4,850	4,750	4,700	4,550	4,400
55					2,950	3,200	3,300	3,350	3,400	3,350	3,250	3,150	3,050
60					1,750	2,000	2,150	2,200	2,250	2,200	2,150	2,100	1,950
65						1,050	1,200	1,300	1,300	1,300	1,250	1,200	1,100







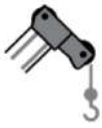

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Load Chart
Load King 45-150
Load Chart No. 099

	38	40	50	60	70	80	90	100	110	120	130	140	150
10	27,750	28,100	28,900										
12	19,350	19,650	20,450	20,750	20,850								
15	11,950	12,250	13,000	13,400	13,500	13,450	13,300						
20	5,450	5,700	6,450	6,850	7,050	7,100	7,000	6,850	6,650				
25	1,850	2,150	2,900	3,300	3,550	3,600	3,600	3,500	3,350	3,150			
30				1,050	1,300	1,450	1,450	1,400	1,300	1,150	950		









Load Chart
Load King 45-150
Load Chart No. 103

	38	40	50	60	70	80	90	100	110	120	130	140	150
10	1,500	1,500	1,500	1,500	1,500	1,500							
12	1,500	1,500	1,500	1,500	1,500	1,500	1,500						
15	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500					
20	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500			
25	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500		
30	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
35	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
40		1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
45			1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
50			1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
55				1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
60				1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
65					1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
70					1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
75						1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
80						1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
85							1,500	1,500	1,500	1,500	1,500	1,500	1,500
90							1,500	1,500	1,500	1,500	1,500	1,500	1,500
95								1,500	1,500	1,500	1,500	1,500	1,500
100								1,500	1,500	1,500	1,500	1,500	1,500
105									1,500	1,500	1,500	1,500	1,500
110									1,500	1,500	1,500	1,500	1,500









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Load Chart
Load King 45-150
Load Chart No. 107

	90	110	130	150
20	1,500			
25	1,500	1,500		
30	1,500	1,500		
35	1,500	1,500	1,500	
40	1,500	1,500	1,500	1,500
45	1,500	1,500	1,500	1,500
50	1,500	1,500	1,500	1,500
55	1,500	1,500	1,500	1,500
60	1,500	1,500	1,500	1,500
65	1,500	1,500	1,500	1,500
70	1,500	1,500	1,500	1,500
75	1,500	1,500	1,500	1,500
80	1,500	1,500	1,500	1,500
85	1,500	1,500	1,500	1,500
90	1,500	1,500	1,500	1,500
95	1,500	1,500	1,500	1,500
100	1,500	1,500	1,500	1,500
105	1,500	1,500	1,500	1,500
110	1,500	1,500		













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Load Chart
Load King 45-150
Load Chart No. 108

	90	110	130	150
30	1,500			
35	1,500	1,500		
40	1,500	1,500	1,500	
45	1,500	1,500	1,500	1,500
50	1,500	1,500	1,500	1,500
55	1,500	1,500	1,500	1,500
60	1,500	1,500	1,500	1,500
65	1,500	1,500	1,500	1,500
70	1,500	1,500	1,500	1,500
75	1,500	1,500	1,500	1,500
80	1,500	1,500	1,500	1,500
85	1,500	1,500	1,500	1,500
90	1,500	1,500	1,500	1,500
95	1,500	1,500	1,500	1,500
100	1,500	1,500	1,500	1,500
105	1,500	1,500	1,500	1,500
110	1,500	1,500	1,500	
115	1,500			













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Load Chart
Load King 45-150
Load Chart No. 109

	90	110	130	150
35	1,500			
40	1,500	1,500		
45	1,500	1,500		
50	1,500	1,500	1,500	
55	1,500	1,500	1,500	1,500
60	1,500	1,500	1,500	1,500
65	1,500	1,500	1,500	1,500
70	1,500	1,500	1,500	1,500
75	1,500	1,500	1,500	1,500
80	1,500	1,500	1,500	1,500
85	1,500	1,500	1,500	1,500
90	1,500	1,500	1,500	1,500
95	1,500	1,500	1,500	1,500
100	1,500	1,500	1,500	1,500
105	1,500	1,500	1,500	1,500
110		1,500	1,500	
115		1,500		













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Load Chart
Load King 45-150
Load Chart No. 113

	90	110	130	150
25	1,500			
30	1,500	1,500		
35	1,500	1,500		
40	1,500	1,500	1,500	
45	1,500	1,500	1,500	1,500
50	1,500	1,500	1,500	1,500
55		1,500	1,500	1,500
60			1,500	1,500
65				1,500
70				1,500













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