

# **Specifications**

Telescopic Boom Rough Terrain Crane

# RTC-80100 100-ton (90 metric ton) Series II





General Dimensions	feet	metric
Turning Radius (6-wheel steer -centerline of tires	20' 7"	6.27
Turning Radius (2–wheel steer –centerline of tires	35'	10.67
Turning Radius (6–wheel steer – outside front outrigger box	25' 6"	7.77
Turning Radius (2–wheel steer – outside front outrigger box	37' 0"	11.28
Tailswing of counterweight (w/o Aux. Winch) Tailswing of Auxiliary Winch	13' 9" 15' 3"	3.90 4.65



# Upper Structure

# Boom

#### **Formed Construction Design**

U-shaped boom utilizes formed plates to resist buckling using high strength 130,000 p.s.i. (896 MPa) steel. Increased wear pad area for improved load distribution and longer life.

#### **Standard Boom**

- 40' 150' (12.19 45.72 m) five-section full power boom.
  - Standard mode is the full power, synchronized mode of telescoping all sections proportionally
  - A-max<sup>1</sup> mode (or mode 'A1') extends only the inner and center sections to 95' (29 m) offering increased capacities for in-close, maximum capacity picks.
  - A-max<sup>2</sup> mode (or mode 'A2') tip, outer and center sections extend to 122.5' (37.34 m) offering maximum stability.
  - Mechanical Boom Angle Indicator

#### **Boom Head**

- Six, 16.38" (0.42 m) root diameter nylon
- sheaves handle up to twelve parts of wire rope. Quick-reeve design
- Rope dead end lugs provided on each side of hoom head
- Easily removable wire rope guards
- Fly pinning alignment tool

#### **Boom Elevation**

- One Link-Belt designed hydraulic cylinder with holding valve and bushings in each end.
- Hand control for controlling boom elevation from  $-3^{\circ}$  to  $80^{\circ}$ .

#### **Optional Auxiliary Lifting Sheave**

- Single 16.38" (0.42 m) root diameter nylon sheave with removable wire rope guard.
- Use with one or two parts of line.
- Does not affect erection of fly or use of main head sheaves for multiple reeving.

#### Optional

- 100-ton (90.72 mt) 6-sheave, quick reeve hook block, with safety latch
- 80-ton (72.57 mt) 5-sheave, quick reeve hook block with safety latch
- 50-ton (45.36 mt) 4-sheave, quick reeve hook block with safety latch
- 12-ton (10.89 mt) hook ball (swivel) with safey latch
- Boom floodlight

# I Fly

#### Optional

- 31' 55' (9.45 16.76 m) two-piece (bifold) stowable, offsettable to 2°, 25° or 45°
- Two, 15' (4.57 m) fly extensions provide a total fly length of 85' (25.9 m).

# Cab and Controls

#### Environmental ULTRA CAB

RTC-80100 Series II

- LCF-2000 construction process featuring laminated fibrous composite material.
- Isolated from sound with acoustical vinyl insulation.
- Six-way adjustable operator's seat with retractable seat belt.
- Four-way adjustable tilting-telescoping and locking steering wheel.

- All windows are tinted and tempered safety glass.
- Slide by door opens to 3' (0.91 m) width.
- Sliding rear and right side windows and swing up roof window for maximum visibility and ventilation.

Warning horn

Travel lights

Sun screen

· Cup holder

• Voltmeter

Boom angle

Allowed load

Radius of load

Fuel

· Circulating fan

· Mirrors

- Audible swing alarm
- Backup alarm
- 12-volt accessory outlet
- Electric windshield wiper
- Top hatch window wiper
- Fire extinguisher
- Windshield washer

#### Optional

- ٠ Amber strobe light
- Hot water cab heater
- Amber rotating beacon
- Air conditioning

#### Controls

Hydraulic controls (joystick type) for: Boom hoist

- Front winch
- Optional rear winch Swing
- Drum rotation indicators
- Single-axis controls optional
- Hand-held outrigger controls and sight level bubble also provided in upper cab.

Foot controls for:

- ٠ Boom telescope Swing brake
- Engine throttle with throttle lock

#### Service brake

#### Cab Instrumentation

Corner-post mounted gauges with integral audio/visual warning system for:

- Tachometer
- Oil pressure
- Hydraulic oil temperature
- Water temperature

# Rated Capacity Limiter

- Microguard 434 Graphic audio-visual warning system built into the cornerpost with antitwo block and function limiters.
- Anti-two block weight designed for quick reeve of hookblock.

#### Operating data available includes:

- Machine configuration Actual load
- Boom length
- Head height
- % of allowed load
- Presettable alarms include:
- Maximum and minimum boom angles. •
- Maximum tip height.
- Maximum boom length.
- Swing left/right positions.
- Operator defined area alarm is standard.

#### Optional

- Internal RCL light bar: Visually informs operator when crane is approaching maximum load capacity (kickouts and presettable alarms) with a series of green, yellow and red lights.
- External RCL light bar: Visually informs ground crew when crane is approaching maximum load capacity (kickouts and presettable alarms) with a series of three lights; green, yellow and red.

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# l Swing

- Bi-directional hydraulic swing motor mounted to a planetary reducer for 360° continuous smooth swing at 1.5 r.p.m.
- Swing park brake 360° electric over hydraulic (spring applied, hydraulic released) multi-disc brake mounted on the speed reducer. Operated by switch in lefthand controller.
- Swing brake 360°, foot operated, hydraulic applied disc brake mounted on the speed reducer.
- Swing lock Standard; two position travel lock operated from the operator's cab.
- 360° pawl-in-gear swing lock meets New York City requirements. - (optional)

# Counterweight

- Standard 24,000 lbs. (10 886 kg). Capacities for 0 (0 kg) and 12,000 lbs (5 443 kg) also available
- **Optional** Hydraulic counterweight removal controlled with hand-held controller from the around

chanical pump drive, driven by the diesel en-

one can deliver 47 gpm at 4,400 psi and sec-

Two, closed-loop piston pumps are mounted

These two pumps supply hydraulic power to

the wheel motors and are capable of deliver-

Two closed loop piston pumps are mounted

to the rear of the two travel pumps. The left

pump drives the front winch and the right

pump drives the optional rear winch. each

mounted to the rear of the left winch pump

counterweight removal (optional), oscillation,

and travel brake circuits/ This pump can de-

A single section gear pump mounted to the

rear of the right side winch pump supplies

hydraulic power to the swing and steering

circuits. This pump can deliver 27 gpm at

255 gal. (965 L) capacity. Diffuser for deaera-

One 7-micron charge filter located next to the

Five separate, pilot operated control valves

allow simultaneous operation of all crane

O-Ring Face Seal (ORFS) technology

throughout with hydraulic oil cooler.

One 7-micron filter located inside

Accessible for easy replacement.

reservoir with an in-cab indicator light

hydraulic reservoir.

**Control Valves:** 

functions.

supplies hydraulic power to the outrigger,

pump is capable of delivering 49 gpm at

A pressure compensated piston pump

to a mechanical pump drive, driven by the

diesel engine and serve as travel pumps.

ing 88 gpm at 6,090 psi each.

liver 21 gpm at 3,000 psi.

tion two can deliver 38 gpm at 4,400 psi.

gine supplies hydraulic power for the boom hoist, telescope, and charge circuits. Section

# Hydraulic System

#### Main Pumps A Two-section gear pump, mounted to a me-

4,150 psi.

3,000 psi.

Reservoir

tion.

Filtration:



- All control valves are pressure compensated for improved metering.
- Adjustable fine metering control on winch, boom hoist and swing functions.

# Load Hoist System

#### Standard

- 2M front winch with grooved lagging.
- Two-speed motor and automatic brake.
- Power up/down mode of operation.
- Controls for future addition of rear winch.
- Bi-directional, piston-type hydraulic motor, driven through a planetary reduction unit for positive operator control under all load conditions.
- Asynchronous parallel double crossover grooved drums minimize rope harmonic motion.
- Rotation resistant wire rope.

#### Line Pulls and Speeds

Maximum line pull 21,022 lbs. (9 535 kg) and maximum line speed of 431 f.p.m. (131.40 m/min) on standard 15" (0.38 m) root diameter grooved drum.

#### Optional

- 2M rear winch with two-speed motor, automatic brake, grooved lagging and power up/down mode of operation.
- Hoist drum cable followers. Third wrap indicators.

# Carrier

# Type

- 9' 11" (3.02 m) wide, 156.75" (4.19 m) wheelbase.
- 6 x 6 x 6 (6-wheel steer, 6-wheel drive) For rough terrain with limited turning area.

#### Frame

- 100,000 p.s.i. (689.5 MPa) steel, torsion resistant, single-box construction.
- Integral 100,000 p.s.i. (689.5 MPa) steel outrigger boxes.

#### **Standard Carrier Equipment**

- · One front, one rear, and two mid-point carrier ladders
- Non-slip safety strips on carrier deck
- Full deck fenders
- Pontoon storage
- Full lighting package
- Front towing shackles
- Hook block tie back
- Carrier mounted mirrors

#### Optional

- Front and rear mounted pintle hook
- Hydraulic power pinning outrigger boxes

# Engine

Engine	Detroit Diesel Series 40
Cylinders – cycle Bore Stroke Displacement Maximum brake hp Peak torque (ft. lb.) Electric system Starting system Fuel capacity Alternator Crankcase capacity (total system)	6 – 4 4.59 in. (116.59 mm) 5.35 in. (135.89 mm) 530 cu. in. (8.69 L) 300 @ 2,000 rpm 1,050 @ 1,300 rpm 12 volt 12 volt 95 gallons (360 L) 130 amps 28 qts. (26.5 L)
<ul> <li>Water/fuel separator</li> </ul>	on engine

110–volt block heater

Optional – Ether injection package

# Transmission

Hydrostatic type consisting of two variable speed piston pumps supplying hydraulic power to six hydraulic cam lobe wheel drive motors computer controlled for smooth and reliable operation.

# Axles

Six, heavy-duty Link-Belt fabricated axle housings that support the wheel drive motors and connect to the steering and suspension system.

# Suspension

Fully independent double "A" Arm construction with automatic axle oscillation

## Steering

- Hydraulic front-wheel, rear-wheel, coordinated six-wheel and six-wheel "crab" steering
- Modes selected by rotary switch on overhead console.
- All modes are fully coordinated and controlled by steering wheel.

#### Optional

Rear steer indicator

# I Tires

- Front and Rear
- Standard 23.5R25 2–Star radials.

## Optional

· Spare tires and rims

# Brakes

#### Service

• Two, fully hydraulic caliper disc-type brakes at each wheel end with independent front and rear system. Controlled by foot pedal in cab.

#### Parking/Emergency

Spring applied, hydraulic released, cab controlled, wet, multiple disc-type integral to the front wheel drive motors.

# Outriggers

- Three position operation capability.
- Four hydraulic, telescoping beam and jack ٠ outriggers.
- Vertical jack cylinders equipped with integral holding valve.
- Beams extend to 26' (7.93 m) centerline-tocenterline and retract to a 12' (3.6 m) width.
- Equipped with stowable, lightweight 26" (0.66 m) round steel pontoons.
- Hand-held controls and sight level bubble located in upper structure cab.

#### **Confined Area Lifting Capacities** (CALC<sup>™</sup>) System

- Three operational outrigger configurations are available:
  - Full extension 26' (7.93 m)
  - Intermediate position -18' 7'' (5.66 m)Full retraction -11' 2'' (3.22 m)
- For confined area operation, rated lifting capacities are provided for the intermediate and fully retracted outrigger positions.
- When the outrigger position levers (located on the outrigger beams) are engaged, the operator can set the crane in the intermediate or full retraction outrigger position without leaving the cab.

# Travel Speeds and Gradability

With outrigger boxes and counterweight

	•
Tires	23.5R25 2–Star radials
Maximum Speed	18.5 (29.77 km/h)
Gradability at 1.0 mph (1.6 km/hr)	50.4%
Maximum Tractive Effort at 1.0 mph. (1.6 km/hr)	61,180 lbs. <i>(</i> 27 751 kg)

#### Without outrigger boxes and counterweight

counterweight	
Tires	23.5R25 2–Star radials
Maximum Speed	18.5 <i>(</i> 29.77 <i>km/h)</i>
Gradability at 1.0 mph <i>(1.6 km/hr)</i>	88%
Maximum Tractive Effort at 1.0 mph. (1.6 km/hr)	61,180 lbs. <i>(</i> 27 751 kg)

# I Travel Load

Tire	Max. Axle Load @ 20 mph <i>(32.20 km/hr)</i>
23.5R25 2–Star	57,330 lbs. (26 005 kg)



# Axle Loads

Base machine with standard $40^{\circ} - 150^{\circ}$ (12.19 - 45.72 m) five-section boom,	G.V.W.		Upper facing front				Upper facing rear			
and power up/down, 850' (259 <i>m</i> ) of 7/8" (22 <i>mm</i> ) wire rope. 6x6x6 carrier			Front	axle	Rear ax	e group	Front	axle	Rear ax	e group
with Detroit Diesel Series 40 engine, 23.5R25 tires, 95 gals. ( <i>360 L</i> ) of fuel, tow shackles, hook block tieback and	lbs.	kg.	lbs.	kg.	lbs.	kg.	lbs.	kg.	lbs.	kg.
24,000 lbs. (10 886 kg) of counter- weight.	123,656	56 089	38,347	17 394	85,309	38 696	55,045	24 968	68,611	31 121
Remove outrigger boxes and beams	-15,960	-7239	-6,035	-2 737	-9,925	-4 502	-6,035	-2 737	-9,925	-4 502
Remove main counterweight	-24,182	-10 969	12,928	5 864	-37,110	-16 833	-31,518	-14,296	7,336	3 328
Cold weather start aid - ether injector	19	9.5	-2	-0.9	21	10	-2	-0.9	8	4
Pintle hook, front	20	9	29	13	-9	-4	29	13	-9	-4
Pintle hook, rear	20	9	-9	-4	29	13	-9	-4	29	13
Rear steer indicator	10	4.5	-2	-1	12	5	-2	-1	12	5
Winch roller – rear winch	110	50	-82	-37	192	87	166	75	-56	-25
Winch roller – front winch	94	42	-42	-4	141	64	119	54	-25	-11
2M Auxiliary Winch	1,700	771	-1,143	-518	284	1,289	2,449	1 110	-749	-348
500' (152 m) of 7/8" (22 mm) wire rope on auxiliary winch	862	391	-579	-263	1,441	518	1,242	563	-380	-172
Cab heater	10	4.5	8	3.6	2	1	0	0	10	4.5
Air conditioning in operator's cab	120	54	48	22	72	33	44	20	76	34
360 degree swing lock	139	63	35	16	104	47	71	32	68	31
Fly brackets to boom base sections for fly options	277	126	372	169	-95	-43	-159	-72	436	198
31' – 55' <i>(9.45 – 16.76 m)</i> offset fly (stowed)	2,632	1 194	4,223	1 916	-1,591	-722	-2,200	-998	4,832	2 192
Floodlight to boom base section	10	5	26	12	-16	-7	-18	-8	28	13
100-ton (90.72 mt) capacity hook block to front/rear bumper	1,750	794	2,537	1 151	-787	-357	-1,192	-541	2,942	1 334
80–ton (72.57 <i>mt</i> ) capacity hook block to front/rear bumper	1,411	640	2,046	928	-635	-288	-961	-436	2,372	1 076
50ton (45.36 mt) capacity hook block to front/rear bumper	1,200	544	1,740	789	-540	-244	-817	-370	2,017	915
12-ton (10.9 mt) capacity hook ball to front/rear bumper	722	327	1,047	475	-325	-147	-492	-223	1,214	551
Auxiliary lifting sheave	120	54	347	157	-227	-103	-254	-115	374	170

 $\square$  – Adjust gross weight and axle loading according to component weight. Note: All weights are  $\pm$  3%.



#### Link–Belt Construction Equipment Company

Lexington, Kentucky www.linkbelt.com

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# Lifting Capacities

Telescopic Boom Rough Terrain Crane

# RTC-80100

**100–ton** (91 metric tons)

Boom and Fly Capacities for this machine are listed by the following sections.

# **Fully Extended Outriggers**

- Working Range Diagram
- 24,000 lbs (10 886 kg) of Counterweight
- 40' to 95' (12.19 28.96 m) Main Boom Capacities, "A-max1" Mode
- 40' to 122.5' (12.19 37.34 m) Main Boom Capacities, "A-max2" Mode
- 40' to 150' (12.19 45.72 m) Main Boom Capacities, "Standard" Mode
- 31' to 85' (9.45 25.90 m) Fly Capacities, "Standard" Mode

# **On Tires**

- With Outrigger Boxes
- Stationary Over Rear, Stationary 360°, Creep and 2.5 mph
- 24,000 lbs (10 886 kg) of Counterweight
- 40' to 95' (12.19 28.96 m) "A-max1" Boom Mode
- 40' to 122.5' (12.19 37.34 m) Main Boom Capacities, "A-max2" Mode
- 40' to 120' (12.19 36.58 m) Main Boom Capacities, "Standard" Mode



CAUTION: This material is supplied for reference use only. Operator must refer to in–cab Crane Rating Manual to determine allowable machine lifting capacities and operating procedures.



## 

READ AND UNDERSTAND THE OPERATOR'S AND SAFETY MANUALS AND THE FOLLOWING IN-STRUCTIONS AND RATED LIFTING CAPACITIES BEFORE OPERATING CRANE. OPERATION WHICH DOES NOT FOLLOW THESE INSTRUCTIONS MAY RESULT IN AN ACCIDENT

# **OPERATING INSTRUCTIONS**

## **GENERAL**:

- Rated lifting capacities in pounds as shown on lift charts pertain to this crane as originally manufactured and normally equipped. Modifications to the crane or use of optional equipment other than that specified can result in a reduction of capacity.
- Construction equipment can be dangerous if improperly operated or maintained. Operation and maintenance of this crane must be in compliance with the information in the Operator's, Parts, and Safety Manuals supplied with this crane. If these manuals are missing, order replacements through the distributor.
- 3. The operator and other personnel associated with this crane shall read and fully understand the latest applicable American National Standards ASME B30.5 safety standards for cranes.
- 4. The rated lifting capacities are based on crane standing level on firm supporting surface.

## SET UP:

- The crane shall be leveled on a firm supporting surface. Depending on the nature of the supporting surface, it may be necessary to have structural supports under the outrigger pontoons or tires to spread the load to a larger bearing surface.
- 2. When making lifts on outriggers, all tires must be free of supporting surface. All outrigger beams must be extended to the same length; fully retracted, intermediate extended, or fully extended.
- 3. The tires must be inflated to 102 psi for all travel and when making lifts on tires.
- 4. For required parts of line, see Wire Rope Capacity and Winch Performance.
- 5. Before setting up the crane, refer to Allowable Crane Configuration and rated lifting capacities to determine allowable crane configurations.

## **OPERATION:**

- 1. Rated lifting capacities at rated radii shall not be exceeded. Do not tip the crane to determine allowable loads.
- 2. Rated lifting capacities shall be reduced for repetitive lift applications. For concrete bucket operation, weight of bucket and load shall not exceed 80% of rated load.

For duty cycle operation, such as loading and unloading, maximum allowable load shall not exceed 70% of rated load. For clamshell and magnet operation, weight of bucket, or magnet, and load shall not exceed 70% of rated load. Lifts with fly erected are prohibited for clamshell and magnet operation.

- Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads. Rated lifting capacities shown on intermediate extended or fully retracted outriggers are determined by the formula, rated load = (tipping load – 0.1 X load factor) / 1.25. Rated lifting capacities shown on tires do not exceed 75% of the tipping loads. Tipping loads are determined by SAE crane stability test code J–765.
- Rated lifting capacities in the shaded areas are based on structural strength or hydraulic limitations and have been tested to meet minimum requirements of SAE J–1063 cantilevered boom crane structures–method of test. Rated lifting capacities in the non–shaded areas are based on stability ratings.
- 5. Rated lifting capacities include the weight of hook ball/block, slings, bucket, magnet, and auxiliary lifting devices. Their weights must be subtracted from the listed rated capacity to obtain the net load that can be lifted. Rated lifting capacities include the deduct for either fly stowed on the base of the boom. For deducts of any fly erected, but not used, see Capacity Deductions.
- 6. Rated lifting capacities are based on freely suspended loads. No attempt shall be made to move a load horizontally on the ground in any direction.
- 7. Rated lifting capacities are for lift crane service only.
- 8. Do not operate at radii or boom lengths (minimum or maximum) where capacities are not listed. At these positions, the crane can tip or cause boom failure.
- The maximum loads that can be telescoped are not definable because of variation in loadings and crane maintenance, but it is permissible to attempt retraction and extension within the limits of the applicable load rating chart.
- For main boom capacities when either boom length or radius or both are between values listed, proceed as follows:
  - a. For boom lengths not listed, use rating for next longer boom length or next shorter boom length, whichever is smaller.
  - b. For load radii not listed, use rating for next larger radius.



- 11. The user shall operate at reduced ratings to allow for adverse job conditions, such as: soft or uneven ground, out of level conditions, wind, side loads, pendulum action, jerking or sudden stopping of loads, hazardous conditions, experience of personnel, traveling with loads, electrical wires, etc. Side load on boom or fly is dangerous and shall be avoided.
- 12. For cold weather operation rated capacities should be reduced by the following rule: a 1% reduction in rated capacity should be taken for each 1°F below 0°F. Example: if the temperature is -10°F a 10% reduction in rated capacities should be taken, at -40°F a 40% reduction.
- 13. When making lifts with auxiliary lifting sheave, the effective length of the boom increases by 2 feet.
- 14. The power sections of the boom, for the selected boom mode, must be extended or retracted equally.
- 15. The least stable rated working area depends on the configuration of the crane set up.
- 16. Rated lifting capacities are based on correct reeving. Deduction must be made for excessive reeving. Any reeving over minimum required is considered excessive and must be accounted for when making lifts. Use Working Range Diagram to estimate the extra feet of rope then deduct 1.5 lb for each extra foot of wire rope before attempting to lift a load.
- 17. The loaded boom angle combined with the boom length give only an approximation of the operating radius. The boom angle, before loading, should be greater to account for deflection. For main boom capacities, the loaded boom angle is for reference only. For fly capacities, the load radius is for reference only.
- 18. For fly capacities with main boom length between 120 ft. and 150 ft., the rated loads are determined by the boom angle using the 150 ft. boom and fly chart. For angles not shown use the next lower boom angle to determine the rated capacity.

- 19. For fly capacities with main boom length less than 120 ft. the rated loads are determined by the boom angle only using the 120 ft. boom and fly chart. For angles not shown, use the next lower boom angle to determine the rated capacity.
- 20. The 40 ft. boom length structural capacities are based on boom fully retracted. If the boom is not fully retracted, do not exceed capacities shown for the 50 ft. boom length.
- 21. Rated lifting capacities on tires depend on tire capacity, condition of tires, and tire air pressure. On tire capacities require lifting from main boom head only on a smooth and level surface. Pick and carry operations are restricted to speed of 2.5 mph and creep. The boom must be centered over the rear of the crane with two–position travel swing lock engaged and the load must be restrained from swinging. Lifts with any fly erected on tires are prohibited.

## **DEFINITIONS:**

- 1. Load Radius: Horizontal distance from a projection of the axis of rotation to the supporting surface, before loading, to the center of the vertical hoist line or tackle with load applied.
- Loaded Boom Angle: ∠ The angle between the boom base section and horizontal with freely suspended load at the rated radius.
- 3. Working Area: Area measured in a circular arc about the center line of rotation as shown on the Working Area Diagram.
- 4. Freely Suspended Load: Load hanging free with no direct external force applied except by the hoist line.
- 5. Side Load: Horizontal side force applied to the lifted load either on the ground or in the air.
- 6. No Load Stability Limit: The radius or boom angle beyond which it is not permitted to position the boom because the crane can overturn without any load on the hook.
- 7. Load Factor: Load applied at the boom tip which gives the same moment effect as the boom mass.
- 8. Creep: Crane movement limited to 200 ft. in a 30 minute period and not to exceed 1 mph maximum speed.



# **BOOM MODES**

oom Mode	e "Amax1"		Ŷ	Center	Inn	er	Rase	0
er and center sect	tions telescope sim	ultaneously.		Ociliai			Dase	
		Tele	escope Length (Ft	.)	Boom Lo	ength (Ft.)		
		0		0	4	40		
		5.0		5.0	ŧ	50		
		10.0		10.0		50 70		
		20.0		20.0	8	30		
		25.0		25.0	9	90		
		27.5		27.5	(	95		
oom Mode	e "Amax2" sections telescope	simultaneously.						
Į.	Tip		Outer		Center	Ba	ise	
		Telesc	cope Length (Ft.)			Boom Le	ength (Ft.)	
	0		0		0	40		
	3.33		3.33		3.33	50		
	<u>6.66</u> 10.00		<u>6.66</u> 10.00		0.00	50		
	13.33		13.33		13.33	80		
	16.66		16.66		16.66	90		
	20.00		20.00		20.00	100	)	
	2.1.1.1		20.00		23.33	110	)	
oom Mode	27.50 e "Standar	d"	27.50 Inner, cent	er, outer, and tip se	27.50 ections telescope	simultaneously.	5	
⊃om Mode ĵ	27.50 e "Standar	d" Outer	27.50	er, outer, and tip se Center	27.50 ections telescope	simultaneously.	5 Base	c
Dom Mode	e "Standar	d" Outer	27.50	er, outer, and tip se Center	27.50	simultaneously.	5 Base	(7.)
oom Mode	27.50 e "Standar Tip	d" Outer	27.50 Inner, cent	er, outer, and tip se Center (Ft.)	27.50	nner	5 Base Boom Length	(Ft.)
oom Mode	27.50 e "Standar Tip	<b>d</b> " Outer	27.50 Inner, cent	er, outer, and tip se Center (Ft.) 2.5	27.50	0 122.	5 Base Boom Length ( 40 50	(Ft.)
>om Mode	27.50 e "Standar Tip	d" Outer 0 2.5 5.0	27.50 Inner, cent Telescope Length	er, outer, and tip se Center (Ft.) 0 2.5 5.0	27.50	0 2.5 5.0	5 Base Boom Length ( 40 50 60	(Ft.)
>om Mode	27.50 e "Standar Tip [ 0 2.5 5.0 7.5	0 0 2.5 5.0 7.5	27.50 Inner, cent Telescope Length	(Ft.) 0 2.5 5.0 7.5	27.50	0 2.5 5.0 7.5	5 Base Boom Length 40 50 60 70	(Ft.)
oom Mode	27.50 e "Standar Tip [ 0 2.5 5.0 7.5 10.0 49.5	0 2.5 5.0 7.5 10.0 10.5	27.50 Inner, cent Telescope Length	(Ft.) 0 2.5 5.0 7.5 10.0 4.5	27.50	0 2.5 5.0 7.5 0.0 0.0	5 Base Boom Length ( 40 50 60 70 80 80	(Ft.)
>om Mode	27.50           e "Standar           Tip           0           2.5           5.0           7.5           10.0           12.5           15.0	0 2.5 5.0 7.5 10.0 12.5 15.0	27.50 Inner, cent Telescope Length	(Ft.) 0 2.5 5.0 7.5 10.0 12.5 15.0	27.50	0 2.5 5.0 7.5 10.0 12.5 5.0	5 Base Boom Length ( 40 50 60 70 80 90 100	(Ft.)
>om Mode	27.50 e "Standar Tip 0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 1 .5	0 2.5 5.0 7.5 10.0 12.5 15.0 17.5	27.50 Inner, cent Telescope Length	er, outer, and tip se Center (Ft.) 0 2.5 5.0 7.5 10.0 12.5 15.0 17.5	27.50	0 2.5 5.0 7.5 10.0 12.5 15.0 17.5	5 Base Boom Length ( 40 50 60 70 80 90 100 110	(Ft.)
>om Mode	27.50         27.50         27.50         27.50         20.00         27.50         27.50         27.50         20.00	0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0	27.50 Inner, cent Telescope Length	(Ft.) 0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0	27.50	0 2.5 5.0 7.5 10.0 12.5 15.0 12.5 15.0 17.5 20.0	5 Base Boom Length ( 40 50 60 70 80 90 100 110 120	(Ft.)
>om Mode	27.50           27.50           e "Standar           Tip           0           2.5           5.0           7.5           10.0           12.5           15.0           17.5           20.0           22.5	0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0 22.5	27.50 Inner, cent Telescope Length	er, outer, and tip se Center (Ft.) 0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0 22.5	27.50	0 2.5 5.0 7.5 10.0 12.5 15.0 12.5 15.0 17.5 20.0 22.5	5 Base Boom Length ( 40 50 60 70 80 90 100 110 110 120 130	(Ft.)
>om Mode	27.50           27.50           e "Standar           Tip           0           2.5           5.0           7.5           10.0           12.5           15.0           17.5           20.0           22.5           25.0           27.5	0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0 22.5 25.0 27.5	27.50 Inner, cent Telescope Length	er, outer, and tip se Center (Ft.) 0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0 22.5 25.0 27.5 20.0 22.5 20.0 22.5 20.0 22.5 20.0 22.5 20.0 22.5 25.0	27.50	0 2.5 5.0 7.5 10.0 12.5 15.0 12.5 15.0 17.5 20.0 22.5 25.0 25.0 25.0 25.0 25.0 25	5 Boom Length ( 40 50 60 70 80 90 100 110 110 120 130 140	(Ft.)
>om Mode	27.50         27.50         e "Standar         Tip         0         2.5         5.0         7.5         10.0         12.5         15.0         17.5         20.0         22.5         25.0         27.5	0 0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0 22.5 25.0 27.5	27.50 Inner, cent Telescope Length	(Ft.) 0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0 22.5 25.0 27.5	27.50	0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 15.0 17.5 20.0 22.5 25.0 27.5	5 Base Boom Length ( 40 50 60 70 80 90 100 110 110 120 130 140 150	(Ft.)
com Mode	27.50         27.50         e "Standard         Tip         0         2.5         5.0         7.5         10.0         12.5         15.0         17.5         20.0         22.5         25.0         27.5	d" Outer 0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0 22.5 25.0 27.5 ALLOW		er, outer, and tip se Center (Ft.) 0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0 22.5 25.0 27.5 ANE CON	Price	0 2.5 5.0 7.5 10.0 122.5 15.0 17.5 20.0 22.5 25.0 27.5 10N	5 Base Boom Length 40 50 60 70 80 90 100 110 120 130 130 140 150	(Ft.)
	27.50 e "Standar Tip 0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0 22.5 25.0 27.5 27.5	d" Outer 0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0 22.5 25.0 27.5 ALLOW		er, outer, and tip se Center (Ft.) 0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0 22.5 25.0 27.5 ANE CON	27.50  actions telescope	0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0 22.5 25.0 27.5 1 ION	.5 Base Boom Length ( 40 50 60 70 80 90 100 110 120 130 130 140 150	(Ft.)
	27.50 e "Standar Tip 0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0 22.5 25.0 27.5 25.0 27.5 20.0 27.5 27.5 20.0 27.5 20.0 27.5	d" Outer 0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0 22.5 25.0 27.5 <b>ALLOW</b>	27.50 Inner, cent Telescope Length VABLE CR	er, outer, and tip se Center (Ft.) 0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0 22.5 25.0 27.5 ANE CON	27.50  actions telescope  I I I I I I I I I I I I I I I I I I	0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 10.0 12.5 15.0 17.5 20.0 22.5 25.0 27.5 1 TON 55'	5 Base Boom Length ( 40 50 60 70 80 90 100 110 120 130 140 150 140 150	(Ft.)
	27.50 e "Standar Tip 0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0 22.5 25.0 27.5 27.5 0 0 0 0 0 0 0 0 0 0 0 0 0	d" Outer 0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0 22.5 25.0 27.5 <b>ALLOW</b>	27.50 Inner, cent Telescope Length VABLE CR Amax2 40'-80'	er, outer, and tip se Center (Ft.) 0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0 22.5 25.0 27.5 ANE CON Conter STD	27.50  actions telescope	0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 10.0 12.5 15.0 17.5 20.0 22.5 25.0 27.5 1 TON 55' 55' -	.5 Base Boom Length ( 40 50 60 70 80 90 100 110 120 130 140 150 140 150	(Ft.)
Dom Mode	27.50 e "Standar Tip 0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0 22.5 25.0 27.5 0 0 12.5 15.0 17.5 20.0 22.5 25.0 27.5 0 0 12.5 15.0 12.5 15.0 12.5 15.0 12.5 15.0 12.5 15.0 12.5 15.0 12.5 15.0 12.5 15.0 12.5 15.0 15.0 15.0 17.5 10.0 12.5 15.0 17.5 10.0 12.5 15.0 17.5 10.0 12.5 15.0 17.5 10.0 12.5 15.0 17.5 10.0 12.5 15.0 17.5 10.0 12.5 15.0 17.5 10.0 12.5 15.0 17.5 10.0 12.5 15.0 17.5 10.0 12.5 15.0 17.5 10.0 12.5 15.0 17.5 10.0 12.5 15.0 17.5 10.0 17.5 10.0 17.5 10.0 17.5 10.0 17.5 10.0 17.5 10.0 17.5 10.0 17.5 10.0 17.5 10.0 17.5 10.0 17.5 10.0 17.5 10.0 17.5 10.0 17.5 10.0	d" Outer 0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0 22.5 25.0 27.5 <b>ALLOW</b>	27.50 Inner, cent Telescope Length VABLE CR Amax2 40'-80' 40'-122.5'	er, outer, and tip se Center (Ft.) 0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0 22.5 25.0 27.5 ANE CON Conter ANE CON	27.50  actions telescope	122. simultaneously. nner 0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 10.0 12.5 15.0 17.5 10.0 12.5 15.0 17.5 10.0 12.5 17.5 1	.5 Base Boom Length ( 40 50 60 70 80 90 100 110 120 130 140 150 150 70' 70' -	(Ft.)
Dom Mode	27.50 e "Standar Tip 0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0 22.5 25.0 27.5 0 10.0 12.5 15.0 17.5 20.0 22.5 25.0 27.5 0 0 12.5 15.0 17.5 10.0 12.5 15.0 17.5 10.0 12.5 15.0 17.5 10.0 12.5 15.0 17.5 10.0 12.5 15.0 17.5 15.0 12.5 15.0 12.0 15.0 12.00 15.0 12.000 15. 12.000 15. 12.000 15.	d" Outer 0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0 22.5 25.0 27.5 25.0 27.5 <b>ALLOW</b>	27.50 Inner, cent Telescope Length VABLE CR VABLE CR 40'-80' 40'-122.5' 40'-122.5'	er, outer, and tip se Center (Ft.) 0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0 22.5 25.0 27.5 ANE CON - 40'-120' 40'-120'	27.50  actions telescope	122. simultaneously. nner 0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 10.0 12.5 15.0 17.5 20.0 22.5 15.0 17.5 20.0 22.5 15.0 17.5 20.0 22.5 15.0 17.5 20.0 22.5 15.0 17.5 20.0 22.5 15.0 17.5 20.0 22.5 15.0 17.5 20.0 22.5 15.0 17.5 20.0 22.5 15.0 17.5 20.0 22.5 15.0 17.5 20.0 22.5 15.0 17.5 20.0 22.5 15.0 17.5 20.0 22.5 15.0 17.5 20.0 22.5 15.0 17.5 20.0 27.5 15.0 17.5 20.0 27.5 15.0 17.5 20.0 27.5 15.0 27.5 15.0 27.5 15.0 27.5 15.0 27.5 15.0 27.5 15.0 27.5 15.0 27.5 15.0 15.0 1	.5 Base Boom Length ( 40 50 60 70 80 90 100 110 110 120 130 140 150 70' - - -	(Ft.)
	27.50 e "Standar Tip 0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0 22.5 25.0 27.5 0 10.0 12.5 15.0 17.5 20.0 22.5 25.0 27.5 0 0 12.5 15.0 17.5 10.0 12.5 15.0 17.5 10.0 12.5 15.0 17.5 10.0 12.5 15.0 17.5 10.0 12.5 15.0 17.5 10.0 12.5 15.0 17.5 10.0 10.0 12.5 15.0 17.5 10.0 10.	d" Outer 0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0 22.5 25.0 27.5 25.0 27.5 ALLOW	27.50 Inner, cent Telescope Length VABLE CR VABLE CR Value 40'-80' 40'-122.5' 40'-122.5' 40'-100'	er, outer, and tip se Center (Ft.) 0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0 22.5 25.0 27.5 ANE CON - 40'-120' 40'-120' -	27.50  actions telescope	122. simultaneously. nner 0 2.5 5.0 7.5 10.0 12.5 15.0 17.5 10.0 12.5 15.0 17.5 10.0 12.5 15.0 17.5 10.0 17.5 15.0 17.5 1	5 Base Boom Length ( 40 50 60 70 80 90 100 110 110 120 130 140 150 150 70' - - - -	(Ft.)

INTERMEDIATE

FULL

24,000 lbs.

0 lbs.

12,000 lbs.

24,000 lbs.

0 lbs.

12,000 lbs.

24,000 lbs.

40'-95'

40'-95'

40'–95'

40'-120'

40'-150'

40'-150'

40'-122.5'

40'-122.5'

40'-122.5'

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40'-150'

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40'-150'

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40'-150'

40'-150'

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# WIND SPEED RESTRICTIONS

If The Wind Speed Exceeds:	Rated Lifted Capacities Must Be Reduced By At Least:
20 MPH	40%
30 MPH	70%
40 MPH	Crane operation must be shutdown and the boom retracted and lowered to horizontal.

Additional reductions are required for loads with large wind sail area.

• These restrictions are based on crane on fully extended outriggers. Additional reductions are required for other configurations.

• During high winds, the operator shall add 10° to all minimum boom angles due to no load stability and shall not boom down below that angle.

# WINCH PERFORMANCE

	Winch Li	ine Pulls	Drum Rope Capacity (ft.)		
Wire Rope	Two Spee	ed Winch			
Layer	Low Speed High Speed				
	Available lb*	Available lb	Layer	Total	
1	21,022	9,474	125	125	
2	18,968	8,549	138	263	
3	17,280	7,788	152	415	
4	15,868	7,151	165	580	
5	14,669	6,611	179	759	
6	13,639	6,147	192	951	
* Maximum lift	ing capacity: Type	RB Rope - 17 520	Type 78 Rong	- 20 020	

# WIRE ROPE CAPACITY

Maximum Lifting Capacities Based On Wire Rope Strength						
Parts of Line	7/8"	Notos				
Faits of Line	Type RB	Type ZB	Notes			
1	17,520	20,920	Capacities shown are in pounds			
2	35,040	41,840	and working loads must not ex- ceed the ratings on the capacity			
3	52,560	67,760	charts in the Crane Rating			
4	70,080	83,680	Manual. Capacity deducts for auxiliary			
5	87,600	104,600	lifting devices do not apply for			
6	105,120	125,520	wire rope strength capacities.			
7	122,640	146,440	wire rope inspection procedures			
8	140,160	167,360	and single part of line applica-			
9	157,680	188,280	tions.			
10	175,200	209,200				
11	192,720	230,120				
12	210,240	251,040				
LBCE	DESCRI					
TYPE RB	18 X 19 Rotation Resistant – Compacted Strand Strength, Preformed, Right Regular Lay					
TYPE ZB	36 X 7 Rotation Resistant – Extra Improved Plow Ste Right Regular Lay					

# HYDRAULIC CIRCUIT PRESSURE SETTINGS

Function	Pressure (psi)
Front and Rear Winch (Non–Adjustable)	4,130 - 4,350
Propel (Non–Adjustable)	6,090 - 6,310
Outrigger/Counterweight Removal (Option)	3,000
Boom Hoist/Telescope Retract	4,400
Telescope/Extend	3,000
Swing/Steering	3,000
Pilot Control	500
Charge Circuit	350
Park Brake	350

# CAPACITY DEDUCTIONS

Load Handling Equipment	Weight (lb)
80 Ton Quick Reeve 5 Sheave Hook Block (See Hook Block For Actual Weight)	1,410
100 Ton Quick Reeve 6 Sheave Hook Block (See Hook Block For Actual Weight)	1,750
12 Ton Hook Ball (See Hook Ball For Actual Weight)	720

**Auxiliary Lifting Devices** Weight (lb) Auxiliary Head Attached 100 Lifting From Main Boom With: 31 Ft. Or 55 Ft. Fly Stowed On Boom Base (See Operation 0 Note 4) 31 Ft. Offset Fly Erected But Not Used 4,600 55 Ft. Offset Fly Erected But Not Used 7,500 70 Ft. Offset Fly Erected But Not Used PROHIBITED 85 Ft. Offset Fly Erected But Not Used PROHIBITED Lifting From 31 Ft. Offset Fly With: 24 Ft. Fly Tip Erected But Not Used PROHIBITED 24 Ft. Fly Tip Stowed On 31 Ft. Offset Fly PROHIBITED

Note: Capacity deductions are for Link–Belt supplied equipment only.

## WORKING AREAS



Link-Belt CONSTRUCTION EQUIPMENT



Do Not Lower The Boom Below The Minimum Boom Angle For No Load Stability As Shown In The Lift Charts For The Boom Lengths Given. Loss Of Stability Will Occur Causing A Tipping Condition.



Rated Li In Pound	fting Ca ds	apacitie	s 上	n L F	ull		24,000# C	ounte	⊚) ∎ erwei	ght	Bc	oom Mode	e "Amax1	"
Load		40 Ft.			50 Ft.		Load			80 Ft.			90 Ft.	
Radius (Ft)	×٥	360°	Front	×°	360°	Front	Radius (Ft)	X	0	360°	Front	۲°	360°	Front
10	68.0	200,000	200,000	72.5	104,100	104,100	12	79.	.0	100,100	100,100			
12	64.5	182,500	183,100	70.0	104,100	104,100	15	76.	.5	88,800	88,800	78.5	81,900	81,900
15	59.5	158,300	158,800	66.5	104,100	104,100	20	73.	.0	74,300	74,300	75.5	69,900	69,900
20	50.0	122,200	122,200	60.0	104,100	104,100	25	69.	.0	63,500	63,500	72.0	59,800	59,800
25	39.0	94,900	94,900	52.5	94,400	94,400	30	65.	.0	55,000	55,000	68.5	51,700	51,700
30	21.5	76,600	76,600	44.5	76,100	76,100	35	61.	.0	48,200	48,200	65.0	45,300	45,300
35				34.0	61,200	61,900	40	56.	.5	42,800	42,800	61.5	40,100	40,100
40				19.0	47,300	47,900	45	52.	.0	36,700	37,200	57.5	35,600	35,600
45							50	47.	.0	30,000	30,400	53.5	29,700	30,200
50							55	41.	.0	24,800	25,200	49.0	24,600	24,900
55							60	34.	.5	20,700	21,100	44.0	20,500	20,800
60							65	27.	.0	17,400	17,700	39.0	17,300	17,500
Min.Bm.	0	50,700	50,700	0	38,000	38,000	70	14.	.5	14,700	14,900	33.0	14,600	14,900
Ang./Cap.	(31.5)			(41.5)			75					25.5	12,200	12,500
Load		60 Ft.			70 Ft.		80					14.0	10,300	10,500
Radius (Ft)	Х°	360°	Front	۲°	360°	Front	Min.Bm.	0 (71	5)	13,900	14,200	0 (81.5)	9,700	9,900
10	76.0	102,500	102,500	78.5	101,500	101,500	, ing., oup.	(7.1.	,			05 5		
12	74.0	102,500	102,500	76.5	101,500	101,500	Load Radius					90 Fl.		
15	71.0	102,500	102,500	74.0	101,500	101,500	(Ft)			Х°		360°	F	ront
20	66.0	102,500	102,500	70.0	95,200	95,200	12							
25	60.0	93,900	93,900	65.5	81,100	81,100	15							
30	54.0	75,800	75,800	60.5	70,300	70,300	20			76 5		S1 800	6	1 800
35	47.5	60,400	61,200	55.5	59,900	60,600	20			73.5		57 400	5	7 400
40	40.0	46,900	47,500	50.0	46,400	47,000	20			70.0		40.700	51	,+00
45	31.0	37,500	38,000	44.0	37,100	37,600	30			70.0	4	49,700	4	5,700
50	17.0	30,500	31,000	37.0	30,300	30,700	35			67.0	4	43,500	43	3,500
55				28.5	25,100	25,500	40			63.5	;	38,400	38	3,400
60				15.5	20,900	21,200	45			60.0	:	34,200	34	1,200
Min.Bm.	0	28,800	28,900	0	19,800	20,100	50			56.0	:	29,600	30	0,100
Ang./Cap.	(51.5)			(61.5)			55			52.0	1	24,500	24	1,800
		1		1		н — — — Л	60			47.5	:	20,400	20	0,700
							65			43.0	· ·	17,200	17	7,400
							70			38.0		14,500	14	1,800
							75			32.0		12,200	12	2,500
							80			25.0		10,200	10	0,500
							Min.Bm.	•		0		8,000	8	,300
							Ang./Cap	).		(86.5)				

 $\measuredangle^\circ$ Loaded Boom Angle In Degrees.



Rated Li In Pound	fting Ca	apacitie	s			-							
				Ful	I		24,000#	Counterw	eight		Boom Mode	"Amax2"	
Load		40 Ft.			50 Ft.		Lo	ad			100 Ft.		
Radius (Ft)	×°	360°	Front	×°	360°	Front	Rac (F	lius t)	ڴ		360°	I	Front
10	68.0	200,000	200,000	72.5	52,000	52,000	1	2					
12	64.5	182,500	183,100	70.0	52,000	52,000	1	5	79.5		56,000	5	6,000
15	59.5	158,300	158,800	66.5	52,000	52,000		5	77.0		56,000	5	6,000
20	50.0	122,200	122,200	60.0	52,000	52,000	2	0	74.0		53,700	5	3,700
25	39.0	94,900	94,900	52.5	52,000	52,000	3	5	71.0		47,500	4	2 400
30	21.5	76,600	76,600	44.0	52,000	52,000	3	0	64.5		42,400	4	8 300
35				34.0	52,000	52,000	4	5	61.5		34,800	3	4 800
40				19.0	49,800	50,400	5	0	58.0		31,800	3	1 800
40 50							5	5	54.5		29,300	2	9 300
50 55							6	0	50.5	-	26,000	2	6 700
55 60							6	5	46.5		22,900	2	3 200
Min Rm	0	50 700	50 700	0	22.200	22 200	7	0	42.0		20.100	2	0.400
	(21 5)	50,700	50,700	(41 5)	33,300	33,300	7	5	37.0		17.700	1	8.000
Ang./Cap.	(31.3)	00 Ft		(41.5)	=0.5		8	0	31.0		15,800	1	6,000
Load		60 Ft.	T		70 Ft.	1	8	5	24.0		14,000	1	4,300
(Ft)	Х°	360°	Front	Х°	360°	Front	9	0	13.5		12,500	1	2,700
10	75.5	52 000	52 000	78.0	52 000	52 000	Min.	Bm.	0		9,100	ę	9,100
12	74.0	52,000	52,000	76.5	52,000	52,000	Ang.	Cap.	(91.5)				
15	71.0	52.000	52,000	74.0	52,000	52.000						1	
20	65.5	52.000	52.000	70.0	52.000	52.000	Load		110 Ft.			122.5 Ft.	1
25	60.0	52.000	52.000	65.5	52.000	52.000	(Ft)	X°	3600	Front	t X°	360°	Front
30	54.0	52,000	52,000	60.5	52,000	52,000	20	78.5	55 300	55 30			
35	47.5	52,000	52,000	55.5	52,000	52,000	25	76.0	49 100	49 10	0 77.5	37 800	37 800
40	40.0	51,000	51,600	50.0	51,700	52,000	30	73.0	43 500	43 50	0 75.5	37 800	37 800
45	31.0	41,400	41,900	44.0	42,000	42,500	35	70.5	38,900	38.90	0 73.0	35,300	35,300
50	17.0	34,300	34,700	37.0	35,000	35,400	40	67.5	35,100	35.10	0 70.5	31,900	31,900
55				28.5	29,600	30,000	45	64.5	31,900	31.90	0 68.0	29.000	29.000
60				15.5	25,300	25,700	50	61.5	29,100	29,10	0 65.5	26,500	26,500
Min.Bm.	0	23,800	23,800	0	18,200	18,200	55	58.5	26,700	26,70	0 62.5	24,300	24,300
Ang./Cap.	(51.5)			(61.5)			60	55.5	24,700	24,70	0 60.0	22,400	22,400
beol		80.0 Ft.			90.0 Ft.		65	52.0	22,800	22,80	0 57.0	20,700	20,700
Radius	(0			(0			70	48.0	20,300	20,50	0 54.0	19,200	19,200
(Ft)	Д°	360°	Front	Д°	360°	Front	75	44.5	17,900	18,10	0 51.0	17,800	17,800
12	78.0	53,200	53,200				80	40.0	16,000	16,20	0 47.5	16,200	16,400
15	76.5	53,200	53,200	78.0	54,500	54,500	85	35.5	14,200	14,50	0 44.0	14,400	14,600
20	73.0	53,200	53,200	75.0	54,500	54,500	90	30.0	12,700	12,90	0 40.5	12,900	13,100
25	69.0	53,200	53,200	71.5	54,500	54,500	95	23.0	11,400	11,60	0 36.0	11,600	11,800
30	65.0	53,200	53,200	68.5	54,500	54,500	100	13.0	10,200	10,40	0 31.5	10,400	10,600
35	61.0	53,200	53,200	65.0	50,300	50,300	105				25.5	9,300	9,500
40	56.5	52,100	52,600	61.0	45,500	45,500	110				18.0	8,400	8,500
45	51.5	42,400	42,900	57.0	41,400	41,400	Min.Bm	0	7,400	7,400	0	5,800	5,800
50	46.5	35,400	35,800	53.0	35,700	36,100	Ang/Cap	(101.5)			(114.0)		
55	41.0	30,100	30,500	48.5	30,400	30,800							
60	34.5	25,800	26,200	44.0	26,100	26,500							
65	26.5	22,400	22,700	38.5	22,700	23,000							
70	14.5	19,500	19,800	32.5	19,900	20,200							
75				25.0	17,500	17,700							
80				14.0	15,500	15,700							
85													
90	-						ļ						
Min.Bm.	0	14,200	14,200	0	11,300	11,300							
Ang./Cap.	(71.5)	1		(81.5)			l						







 $\precsim$  °Loaded Boom Angle In Degrees.





 $\preceq$  Loaded Boom Angle In Degrees.





Do Not Lower 85 Ft. Offset Fly In Working Position Below 25.5° Main Boom Angle Unless Main Boom Length Is 119 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

 $ec{\Delta}$  Loaded Boom Angle In Degrees.





 $\measuredangle$  Loaded Boom Angle In Degrees.





Since Loss Of Stability Will Occur Causing A Tipping Condition.

ヹ Loaded Boom Angle In Degrees.

Since Loss Of Stability Will Occur Causing A Tipping Condition.



-											
Rated Lif PoundsS Between	ting Capac tationary – Tire Tracks	ities In Rear S	With Outrig	ger Boxes ∏ ∎ Rear	24,000#	° ⊗ ( ⊛ Counterv	) veight		Boom Mod	e "Amax1	"
Load	40	) Ft.	50	) Ft.	Load	80	Ft.	90	) Ft.	95	Ft.
Radius (Ft)	۲°	Rear	۲°	Rear	Radius (Ft)	۲°	Rear	ڴ٥	Rear	×٥	Rear
10	67.5	92,000									
12	64.5	73,200	70.0	61,800	30	64.5	25,900	68.0	19,100	69.5	14,500
15	59.5	62,300	66.5	61,800	35	60.0	19,300	64.0	19,100	66.0	14,500
20	50.0	49,500	59.5	49,100	40	56.0	14,700	60.5	14,500	62.5	14,500
25	38.5	37,600	52.5	37,200	45	51.0	11,200	56.5	11,100	58.5	11,000
30	21.5	27,100	44.0	26,800	50	46.0	8,500	52.5	8,400	55.0	8,300
35			34.0	20,000	55	40.5	6,300	48.0	6,200	51.0	6,200
40			18.5	15,200	60	34.0	4,600	43.5	4,500	47.0	4,400
45					65	26.5	3,100	38.0	3,000	42.0	3,000
50					MinBm	19.5		35.0		39.5	
55					Ang./Cap	(68.3)		(67.6)		(67.5)	
60					<u> </u>	1	1			1	
Min.Bm.	0	24,700	0	13,900							
Ang./Cap.	(31.5)		(41.5)								
Load	60	) Ft.	70	Ft.							
Radius (Ft)	۲°	Rear	۲°	Rear							
10					-						
12											
15	70.5	36,800									
20	65.5	36,800	69.5	26,200							
25	60.0	36,800	65.0	26,200							
30	54.0	26,600	60.0	26,200							
35	47.0	19,700	55.0	19,600							
40	40.0	15,000	49.5	14,900							
45	30.5	11,500	43.5	11,300							
50	16.5	8,700	36.5	8,600	1						
55			28.0	6,400							
60			15.5	4,600							
Min.Bm.	0	8,000	0	4,100							
Ang./Cap.	(51.5)		(61.5)								

Rated Lift PoundsS Between	ting Capac tationary – Tire Tracks	ities In Rear S	With Outrig	ger Boxes ■ ■ –Rear		24,000#	° ⊗	) veight	
Load	40	Ft.	50	) Ft.	ΤΙ	Load	80	) Ft.	
Radius (Ft)	۲°	Rear	۲°	Rear		Radius (Ft)	×°	Rear	۲°
10	67.5	92,000			Ī				
12	64.5	73,200	70.0	52,000		30	64.5	30,700	67.5
15	59.5	62,300	66.5	52,000		35	60.0	23,800	64.0
20	50.0	49,500	59.5	50,700		40	55.5	19,000	60.5
25	38.5	37,600	52.5	39,400		45	51.0	15,400	56.5
30	21.5	27,100	44.0	28,800		50	46.0	12,600	52.5
35			34.0	21,800		55	40.5	10,300	48.0
40			18.5	17,000		60	34.0	8,500	43.0
45						65	26.0	7,000	38.0
50						70	14.0	5,700	32.0
55						75			24.5
60						80			13.5
Min.Bm.	0	24,700	0	15,800	1	85			
Ang./Cap.	(31.5)		(41.5)	1		90			
Load	60	Ft.	70	) Ft.	1	Min.Bm.	0	5,400	0

Ճ°

69.5

64.5

60.0

55.0

49.5

43.5

36.5

28.0

15.0

0

(61.5)

Rear

35,000

35,000

30,300

23,400

18,500

14,900

12,100 9,900

8,100

7,600

Rear

40,300

40,300

40,300

29,800

22,800

17,900

14,300

11,500

10,800

Be

Radius

20

25

30

35

40

45

50

55

60

Min.Bm.

Ang./Cap.

Ճ°

70.5

65.5

59.5

53.5

47.0

39.5

30.5

16.5

0

(51.5)

Min.Bm.	0	5,400	0	3,800	0	)	2,600
Ang/Cap.	(71.5)		(81.5)		(91	.5)	
Load		110 Ft.			122.	5 Ft.	
(Ft)	۲°		Rear	۲°			Rear
35	70.0		16,100				
40	67.0		16,100	69.5			13,500
45	64.0		16,100	67.0			13,500
50	60.5		13,300	64.5			13,500
55	57.5		11,100	61.5			11,200
60	54.0		9,300	59.0			9,500
65	51.0		7,800	56.0			8,000
70	47.0		6,500	53.0			6,700
75	43.5		5,400	49.5			5,600
80	39.0		4,400	46.5			4,600
85	34.5		3,600	43.0			3,800
90	29.0		2,900	39.0			3,100
95	22.5		2,300	35.0			2,400
100	12.0		1,700	30.0			1,900
Min.Bm.	0		1,600	25.0			
Ang/Cap.	(101.5)	)		(104.4)	)		

Boom Mode "Amax2"

90 Ft.

Rear

24,100

24,100

19,200

15,700

12,900

10,700

8,800

7,300

6,100

5,000

4,000

100 Ft.

Rear

19,400

19,400

19,400

15,900

13,200

10,900

9,100

7,600

6,300

5,200

4,300

3,400

2,700

Ճ°

70.5

67.0

64.0

60.5

57.0

53.5

49.5

45.5

41.0

36.0

30.5

23.5

12.5

									CONST	<b>TK-</b>	Belt
Rated Lif PoundsS Between	ting Capac tationary – Tire Tracks	ities In Rear S	With Outrig	ger Boxes	24,000#	Counter	◎) I rweight		Boom Mo	de "Std	"
Load	40	) Ft.	5	0 Ft.	Load	8	30 Ft.	90	Ft.	1	00 Ft.
Radius (Ft)	۲°	Rear	۲°	Rear	Radius (Ft)	Х°	Rear	۲°	Rear	×°	Rear
10 12 15 20 25 30 35 40	67.5 64.5 59.5 50.0 38.5 21.5	92,000 73,200 62,300 49,500 37,600 27,100	70.0 66.5 59.5 52.5 44.0 34.0 18.5	52,000 52,000 50,200 38,600 28,100 21,200 16,400	30 35 40 45 50 55 60	64.5 60.0 55.5 51.0 46.0 40.5 34.0	29,100 22,300 17,500 14,000 11,200 9,000 7,200	67.5 64.0 60.0 56.5 52.0 48.0 43.0 28.0	22,300 22,300 17,600 14,200 11,400 9,200 7,300	70.5 67.0 64.0 60.5 57.0 53.5 49.5	17,600 17,600 17,600 14,200 11,500 9,300 7,500
43 50 55 60 Min.Bm. Ang./Cap.	0 (31.5)	24,700	0 (41.5)	15,100	70 75 80 85 Min.Bm.	0	4,400	32.0 24.5 13.0	4,600 3,500 2,600 2,400	43.3 41.0 36.0 30.5 23.5 21.5	4,700 3,700 2,700 1,900
Load	60	) Ft.	7	0 Ft.	Ang/Cap	(71.5)		(81.5)		(86.1)	
Radius (Ft) 10 12 15	∡° 70.5	Rear	×°	Rear	Load Radius (Ft)		110 ∡°	Ft. Rear	<u>ک</u>	120 F	t. Rear
20 25 30 35	65.5 59.5 53.5 47.0	39,100 39,100 28,700 21,700	69.5 64.5 60.0 55.0	28,900 28,900 28,900 22,100	35 40 45 50		69.5 66.5 63.5 60.5	14,300 14,300 14,300 11,600	69. 66. 63.	0 5 5	11,600 11,600 11,600
40 45 50 55	39.5 30.5 16.5	17,000 13,300 10,500	49.5 43.5 36.5 28.0	17,300 13,700 10,900 8,700	55 60 65 70		57.5 54.0 50.5 47.0	9,400 7,600 6,100 4,800	61. 58. 55. 52.	0 0 0 0	9,400 7,700 6,200 4,900
60 Min Bm	0	9 800	15.0	6,900 6,400	75 80		43.0 39.0	3,800 2,800	48. 45	5 0	3,800 2,900

85

Min.Bm.

Ang./Cap.

(61.5)

Ang./Cap.

(51.5)

2,000

41.5

39.0

(87.6)

2,100

34.5

32.5

(86.6)



Γ

Rated Lift Pounds. I	ting Capac Between T	ities In ire Tracks	With Outrig	ger Boxes	[		)				
Pick & Ca	nrry – Cree	р	On Tires-	-Creep	24,000#	Counterv	veight	ۍ ا	Boom Mod	e "Amax1	1"
Load	40	) Ft.	50	) Ft.	Load	80	Ft.	90	Ft.	95	5 F
Radius (Ft)	۲°	Rear	۲°	Rear	Radius (Ft)	×°	Rear	×°	Rear	×°	
10	67.5	90,600									T
12	64.5	73,200	70.0	43,700	30	64.5	20,400	67.5	14,900	69.0	
15	59.5	62,300	66.5	43,700	35	60.0	15,100	64.0	14,900	65.5	
20	50.0	44,200	59.5	43,700	40	55.5	11,100	60.5	11,000	62.0	
25	38.5	30,000	52.0	29,600	45	51.0	8,200	56.5	8,000	58.5	
30	21.5	21,400	44.0	21,200	50	46.0	5,800	52.5	5,700	55.0	
35			34.0	15,600	55	40.5	4,000	48.0	3,900	51.0	
40			18.5	11,500	60	34.0	2,500	43.5	2,400		
45					Min.Bm.	33.0		42.5	0	46.5	T
50					Ang./Cap	(60.5)		(60.2)		(60.0)	
55						1	1		1	1	
60											
/lin.Bm.	0	19,400	0	10,500							
ıg./Cap.	(31.5)		(41.5)								
Load	60	) Ft.	70	) Ft.							
Radius (Ft)	۲°	Rear	۲°	Rear	-						
10					1						
12											
15	70.5	29,300	-								
20	65.5	29,300	69.5	20,700	1						
25	59.5	29,300	64.5	20,700							
30	53.5	20,900	60.0	20,700							
35	47.0	15,400	55.0	15,200							
40	39.5	11,400	49.5	11,300							
45	30.5	8,400	43.5	8,300							
50	16.5	6,000	36.5	5,900							
55			28.0	4,100							
60			15.5	2,600							
Min.Bm.	0	5,400	10.5		1						
.ng./Cap.	(51.5)		(60.9)								

Rear

10,900 10,900 10,900 8,000 5,700 3,900

0



Rated Lift Pounds. I Pick & Ca	ing Capac Between T rry – Cree	ities In ire Tracks p	With Outrig	ger Boxes	24,000#	° ©) Coun	() terw	eight	) Bo	oom Mode	"Amax	<b>2</b> "
Load	40	) Ft.	5	D Ft.	Load		80	Ft.	90	Ft.	1	00.Ft.
Radius (Ft)	۲°	Rear	۲°	Rear	Radius (Ft)	ヹ	0	Rear	۲°	Rear	۲°	Rear
10	67.5	90,600										
12	64.5	73,200	70.0	52,000	30	64.	0	25,000	67.5	19,500	70.5	15,800
15	59.5	62,300	66.5	52,000	35	60.	0	19,300	64.0	19,500	67.0	15,800
20	50.0	44,200	59.5	45,900	40	55.	5	15,300	60.0	15,600	63.5	15,800
25	38.5	30,000	52.0	31,600	45	51.	0	12,200	56.5	12,600	60.5	12,800
30	21.5	21,400	44.0	23,000	50	46.	0	9,800	52.0	10,200	57.0	10,400
35		,	34.0	17,400	55	40.	5	7,900	48.0	8,200	53.0	8,500
40			18.5	13,300	60	34.	0	6,300	43.0	6,700	49.5	6,900
45					65	26.	0	5,100	38.0	5,400	45.5	5,600
50					70	14.	0	4,000	32.0	4,300	41.0	4,500
55					75				24.5	3,300	36.0	3,600
60					80				13.0	2,500	30.5	2,700
Min.Bm.	0	19.400	0	12.200	85						23.5	2,000
Ang./Cap.	(31.5)	,	(41.5)	,	Min.Bm.	0		3,700	0	2,300	15.5	
Load	60	) Ft.	7	D Ft.	Ang/Cap.	(71.	5)		(81.5)		(89.0)	
Radius (Ft)	×°	Rear	×°	Rear				110	<b>F</b> 4		400 F	<b>F</b> 4
10					Radius			110	Γι.		122.5	Γι.
12					(Ft)		2	۲°	Rear	<u>ک</u>	>	Rear
15	70.5	32.600	-									
20	65.5	32.600	69.5	26.500	35		6	9.5	12,900			
25	59.5	32.600	64.5	26,500	40		6	6.5	12,900	69.	5	10,700
30	53.5	24,000	60.0	24,600	45		6	3.5	12,900	67.	0	10,700
35	47.0	18,200	55.0	18,900	50		6	0.5	10,600	64.	0	10,700
40	39.5	14,200	49.5	14,900	55		5	7.5	8,700	61.	5	8,800
45	30.5	11,200	43.5	11,800	60		5	4.0	7,100	58.	5	7,300
50	16.5	8,800	36.5	9,400	65		5	0.5	5,800	55.	5	6,000
55			28.0	7,500	70		4	7.0	4,700	52.	5	4,900
60		1	15.0	5,900	75		4	3.0	3,700	49.	5	3,900
Min.Bm.	0	8.200	0	5.500	80		3	9.0	2,900	46.	0	3,100
Ang./Cap.	(51.5)	-,	(61.5)	-,	85		3	4.5	2,200	42.	5	2,400
.3	()	1	()	1	90		2	9.0	1,600	39.	0	1,800
					Min.Bm	-	2	8.0		36.	5	
					Ang./Ca	D.	(9	0.7)		(92.	6)	



Rated Lift Pounds. E Pick & Ca	ing Capac Between Ti rry – Cree	ities In re Tracks p	With Outrig	ger Boxes	24,000#	° ⊚ Coun	() en terw	eight		Boom Mod	le "Std"	
Load	40	Ft.	5	0 Ft.	Load		80	Ft.	90	Ft.	1	00 Ft.
Radius (Ft)	ێ°	Rear	۲°	Rear	(Ft)	X	0	Rear	× °	Rear	۲°	Rear
10	67.5	90,600										
12	64.5	73,200	70.0	52,000	30	64.	0	23,400	67.5	17,900	70.0	14,100
15	59.5	62,300	66.5	52,000	35	60.	0	17,800	64.0	17,900	67.0	14,100
20	50.0	44,200	59.5	45,100	40	55.	5	13,900	60.0	14,000	63.5	14,100
25	38.5	30,000	52.0	30,900	45	51.	0	10,800	56.0	11,000	60.5	11,100
30	21.5	21,400	44.0	22,400	50	46.	0	8,500	52.0	8,600	57.0	8,800
35			34.0	16,800	55	40.	5	6,600	48.0	6,800	53.0	6,900
40			18.5	12,700	60	34.	0	5,000	43.0	5,200	49.5	5,300
45					65	26.	0	3,700	38.0	3,900	45.0	4,100
50					70	14.	0	2,700	32.0	2,800	41.0	3,000
55					75				24.5	1,900	36.0	2,000
60					Min.Bm.	0		2,400	23.5		34.5	
Min.Bm.	0	19,400	0	11,600	Ang./Cap	(71.	5)		(75.4)		(76.3)	
Ang./Cap.	(31.5)		(41.5)			1				1		
Load	60	Ft.	7	0 Ft.	Load			110 F	<sup>r</sup> t.		120 F	t.
Radius (Ft)	۲°	Rear	۲°	Rear	(Ft)		2	٢°	Rear	エ	0	Rear
10												
12					35		6	9.5	11,200			
15	70.5	31,500	-		40		6	6.5	11,200	69.	0	8,900
20	65.5	31,500	69.5	23,300	45		6	3.5	11,200	66.	0	8,900
25	59.5	31,500	64.5	23,300	50		6	0.5	8,900	63.	5	8,900
30	53.5	22,900	60.0	23,300	55		5	7.5	7,000	60.	5	7,100
35	47.0	17,300	54.5	17,600	60		5	4.0	5,400	57.	5	5,500
40	39.5	13,300	49.5	13,600	65		5	0.5	4,200	54.	5	4,200
45	30.5	10,200	43.5	10,600	70		4	7.0	3,100	51.	5	3,100
50	16.5	7,800	36.5	8,200	75		4	3.0	2,100	48.	5	2,200
55			28.0	6,300	Min.Bm.		4	1.5		46.	5	0
60			15.0	4,800	Ang./Cap	).	(7	6.8)		(77.3	3)	
Min.Bm.	0	7,200	0	4,400	=							
Ang./Cap.	(51.5)		(61.5)									



Rated Lif In Pound Pick & Ca	ting Capac s. arry – 2.5 m	ities 1ph	With Outrig	ger Boxes	24,000#	Counterw	) veight		Boom Moo	de "Amax	1"
Load	40	) Ft.	50	Ft.	Load	80	Ft.	90	Ft.	95	Ft.
Radius (Ft)	×°	Rear	×°	Rear	Radius (Ft)	۲°	Rear	×°	Rear	×°	Rear
10	67.5	88,300									
12	64.5	73,200	70.0	41,400	30	64.5	19,300	67.5	14,000	69.0	10,200
15	59.5	62,300	66.5	41,400	35	60.0	14,200	64.0	14,000	65.5	10,200
20	50.0	41,900	59.5	41,400	40	55.5	10,400	60.5	10,300	62.0	10,200
25	38.5	28,400	52.0	28,100	45	51.0	7,500	56.5	7,400	58.5	7,400
30	21.5	20,300	44.0	20,000	50	46.0	5,300	52.5	5,200	55.0	5,100
35			34.0	14,700	55	40.5	3,500	48.0	3,400	51.0	3,400
40			18.5	10,800	60	34.0	2,000	43.5	1,900		
45					Min.Bm.	33.0		42.5		46.5	
50					Ang./Cap	(60.5)		(60.2)		(60.0)	
55							•		•		•
60											
Min.Bm.	0	18,400	0	9,800							
Ang./Cap.	(31.5)		(41.5)								
Load	60	) Ft.	70	Ft.							
Radius (Ft)	۲°	Rear	۲°	Rear							
10					1						
12											
15	70.5	27,800	1								
20	65.5	27,800	69.5	19,500	1						
25	59.5	27,800	64.5	19,500							
30	53.5	19,800	60.0	19,500							
35	47.0	14,500	55.0	14,300							
40	39.5	10,600	49.5	10,500							
45	30.5	7,800	43.5	7,600							
50	16.5	5,500	36.5	5,400							
55			28.0	3,600							
60			15.5	2,100							
Min.Bm.	0	4,900	10.5		]						
Ang./Cap.	(51.5)		(60.9)								

Rated Lif In Pound Pick & Ca	ting Capac s. arry – 2.5 n	cities nph	With Outrig	ger Boxes	24,000#	° ⊚ ⊜ Counterv	) veight	) B	oom Mode	e "Ama	(2"
Load	40	0 Ft.	50	0 Ft.	Load	80	Ft.	90	Ft.	1	00 Ft.
Radius (Ft)	۲°	Rear	×°	Rear	Radius (Ft)	۲°	Rear	×°	Rear	۲°	Rear
10	67.5	88,300									
12	64.5	73,200	70.0	52,000	30	64.0	23,800	67.5	18,600	70.0	15,000
15	59.5	62,300	66.5	52,000	35	60.0	18,400	64.0	18,600	67.0	15,000
20	50.0	41,900	59.5	43,600	40	55.5	14,500	60.0	14,900	63.5	15,000
25	38.5	28,400	52.0	30,000	45	51.0	11,600	56.5	11,900	60.5	12,100
30	21.5	20,300	44.0	21,800	50	46.0	9,200	52.0	9,600	57.0	9,800
35			34.0	16,400	55	40.5	7,400	48.0	7,700	53.0	8,000
40			18.5	12,500	60	34.0	5,900	43.0	6,200	49.5	6,400
45					65	26.0	4,600	38.0	4,900	45.5	5,200
50					70	14.0	3,600	32.0	3,900	41.0	4,100
55					75			24.5	3,000	36.0	3,200
60					80			13.0	2,200	30.5	2,400
Min.Bm.	0	18,400	0	11,500	85					23.5	1,700
Ang./Cap.	(31.5)		(41.5)		Min.Bm.	0	3,300	0	2,000	15.5	
Load	60	0 Ft.	70	0 Ft.	Ang./Cap	(71.5)		(81.5)		(89.0)	
Radius	≺°	Poor	≺°	Poor							
(Ft)	4	Iteal	4	Real	Load		110.0	Ft.		122.5	Ft.
10 12					(Ft)	4	×°	Rear	エ	0	Rear
15	70.5	31.000	-								
20	65.5	31.000	69.5	25.000	35		69.5	12,300			
25	59.5	31.000	64.5	25.000	40		66.5	12,300	69.	5	10,200
30	53.5	22.800	60.0	23.400	45	(	63.5	12,300	67.	0	10,200
35	47.0	17.400	55.0	17.900	50	6	60.5	10,000	64.	0	10,200
40	39.5	13,500	49.5	14,100	55		57.5	8,200	61.	5	8,300
45	30.5	10,500	43.5	11,100	60		54.0	6,600	58.	5	6,800
50	16.5	8,200	36.5	8.800	65		50.5	5,400	55.	5	5,600
55		,	28.0	7,000	70	4	47.0	4,300	52.	5	4,500
60			15.0	5,500	75	4	43.0	3,400	49.	5	3,600
Min.Bm.	0	7.600	0	5.100	80	:	39.0	2,600	46.	0	2,800
Ang./Cap.	(51.5)	.,000	(61.5)	-,	85	:	34.0	1,900	42.	5	2,100
	(2)	1	(1.10)	1	90		29.0	1300	39.	0	1,500
					Min.Bm		28.0		36.	5	
					Ang./Cap	o. (9	90.7)		(92.	6)	

Link-Belt CONSTRUCTION EQUIPMENT







Rated Lit In Pounc Stationa	fting Capa Is. On Tire ry – 360°	cities s –	With Outrig	ger Boxes ■ ■ –360°	24,000# Cou	»↓ ◎) menterweight	Bo	oom Mode "A	max1"
Load Radius	40	.Ft.	50	) Ft.	Load Radius	60	Ft.	70	) Ft.
(Ft)	ێ°	360°	۲°	360°	(Ft)	۲°	360°	×°	360°
25	38.5	19.700			25				
30	21.5	13,700	44.0	13,500	30				
35			34.0	9,400	35	47.0	9,200		
40			18.5	6,400	40	39.5	6,300		
45					45	30.5	4,000	43.5	3,900
50					50	16.5	2,200	36.5	2,100
Min.Bm.	0	12,300	0	5,600	Min.Bm.	0	1,700	32.5	
Ang./Cap.	(31.5)		(41.5)		Ang./Cap.	(51.5)		(52.4)	
Do Not Ra	aise Boom Ak	WARNII	NG n Angle. Loss	s Of Back-	Do Not Ra	aise Boom Al	WARNII	NG n Angle. Loss	s Of Back-

Rateo In Po Statio	d Lifting unds. C onary –	y Capaci On Tires 360°	ties -	With Outrigger Boxes			24,000# Counterweight		Boom Mode "Amax2"			
Load	40 Ft.		50 Ft.		60 Ft.		Load	70	) Ft.	80 Ft.		
Radius (Ft)	۲°	360°	۲°	360°	ێ°	360°	Radius (Ft)	۲°	360°	×°	360°	
25 30	38.5 21.5	19,700 13,700	44.0	15,200	-		40 45	43.5	7,300			
35			34.0	11,100	47.0	12,000	50	36.5	5,400	46.0	5,900	
40			18.5	8,100	39.5	9,000	55	28.0	4,000	40.5	4,400	
45					30.5	6,700	60	15.0	2,800	34.0	3,200	
50					16.5	4,900	65			26.0	2,200	
Min.Bm.	0	12,300	0	7,300	0	4,400	70			14.0	1,400	
Ang./ Cap.	(31.5)		(41.5)		(51.5)		Min.Bm. Ang /Cap	0 (61 5)	2,500	0 (71.5)	1,100	
Do No wa	ot Raise E rd Stabili	Boom Abov ty Will Occ	WARN ve 47° Boo sur Causir	ING om Angle. ng a Tippir	Loss Of ng Conditi	Back- on.	Do Not Raward S	aise Boom A tability Will C	<b>WARNI</b> bove 47° Boon Occur Causing	NG n Angle. Loss a Tipping Co	s Of Back- ndition.	

Link-Belt CONSTRUCTION EQUIPMENT



Rateo In Po Statio	d Lifting unds. C onary –	J Capaci )n Tires 360°	ties -	With Outrigger Boxes			24,000# Counterweight		Boom Mode "Std"			
Load	40 Ft.		50 Ft.		60 Ft.		Load	70 Ft.		80 Ft.		
Radius (Ft)	Å	360°	۲°	360°	ێ°	360°	(Ft)	۲°	360°	۲°	360°	
25	38.5	19,700					45	43.5	6,100			
30	21.5	13,700	44.0	14,600			50	36.5	4,300	46.0	4,600	
35			34.0	10,500	47.0	11,000	55	28.0	2,900	40.5	3,100	
40			18.5	7,500	39.5	8,100	60	15.0	1,700	34.0	1,900	
45 50					30.5 16.5	5,800	Min.Bm. Ang./Cap.	0 (61.5)	1,400	27.5 (64.1)		
Min Bm	0	12 300	0	6 700	0	3 500						
Ang./Cap	(31.5)	12,000	(41.5)	0,100	(51.5)	0,000	Do Not Raise Boom Above 47° Boom Angle. Loss Of Back-					
Do No wai	<b>WARNING</b> Do Not Raise Boom Above 47° Boom Angle. Loss Of Back- ward Stability Will Occur Causing a Tipping Condition.							ward Stability Will Occur Causing a Tipping Condition.				



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 Lexington, Kentucky
 www.linkbelt.com

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