



Link-Belt
CONSTRUCTION EQUIPMENT

HTC-8650 50-ton

Telescopic Truck Crane

- 110' (33.53 m) Full Power 4-Section Boom
- 172' (52.43 m) On-Board Tip Height
- Two Powertrain Options
- Two Attachment Options



The New HTC-8650 Features The
Confined Area Lifting Capacities
(CALC™) System



• Loaded With Advances...Not Compromises •



• COMFORT • CONTROL •

Maximum Comfort and Control...standard operating values on the HTC-8650 with its revolutionary fibrous composite cab – the ULTRA-CAB™, gear motor winches, and integral rated capacity limiter (RCL).

An Office With A View....

A major step forward in the construction equipment industry, the new environmental ULTRA-CAB found on the HTC-8650 is molded from an LFC•2000 construction process featuring laminated fibrous composite material. Laminated fibrous composites are a hybrid class of composites with lamination techniques. The layers of fiber-reinforced material are built up with the fiber directions of each layer typically oriented in different directions to add strength and stiffness.

This fibrous composite technology offers superior advantages over steel in sound reduction with sound levels one-half as loud as conventional cabs. This fibrous composite material, while eliminating corrosion, also adds dimensional stability and allows modern styling techniques to be utilized including molded radii and ribs. Designed with the operator in mind, the cab features:



Fabric Seat New improved six-way adjustable seat with height-adjustable armrests and 45° reclining seat back.

Hydraulic Control Levers Armrest mounted, responsive dual axis controllers standard. Single axis available.

Lift-Up Armrest Left armrest lifts up out of the way providing outstanding operator ease in entering or exiting the cab. For safety, all control functions become inactive when the armrest is in raised position.

Overhead Console with switches for outrigger controls, lights, fan,

windshield wiper, function lockout, swing park brake, and ignition.

Bubble Level Sight level mounted on side console.

Single Foot Pedal Control Hydraulic pilot controlled for simultaneous extension or retraction of power boom sections.

Ducted Air through automotive style directional vents.

Comprehensive Instrumentation Corner post mounted backlighted gauges monitor hydraulic oil temperature, fuel level, coolant temperature, oil pressure and voltage. Corner post also has stop engine and check engine indicator lights and tachometer.

Additional Cab Features Include:

- Dash-less design for superior visibility.
- Automotive style windshield and large side window provides operator with 25% more glass area.
- Sliding right side and rear windows and swing-up roof window provide excellent ventilation.
- Large sweep electric wipers.

Integral Rated Capacity Limiter

This "LMI" system aids the operator in safe and efficient operation by continuously monitoring boom length, boom angle, head height, radius of load, machine configuration, allowed load, actual load, and percent of allowed load. This Microguard 434 graphic audio-visual system features improved access time, improved radio frequency shielding, a new display panel with large liquid crystal alphanumeric display, total system override capabilities to provide for rigging requirements and an expanded memory which provides capacity information on all possible lift configurations.



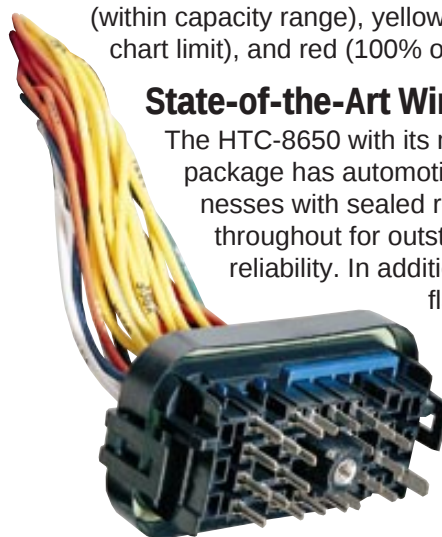
An exclusive new feature available on the HTC-8650 is the Operator Defined Area Alarm. By setting two points, the operator creates an imaginary vertical plane to maintain a safe working distance from nearby obstacles. Should the operator attempt to operate the crane beyond the plane, the RCL will sound an alarm.

An optional graphic display bar, positioned near the top of the windshield for optimum viewing during crane operation, is available. This bar constantly alerts the operator of the current lift capacity situation through a series of green (within capacity range), yellow (approaching 90% chart limit), and red (100% of chart limit) lights.

State-of-the-Art Wire Harness

The HTC-8650 with its multi-plex gauge package has automotive-type wire harnesses with sealed relays and connectors throughout for outstanding long term reliability. In addition, all wires have a

flame retardant, polyethylene insulation, resulting in a higher heat resistant wiring system.





POWER • PRODUCTIVE

Link-Belt has never been content simply to build cranes the same way as everyone else...the new HTC-8650 proves that again.

With 172' (52.43 m) of on-board tip height, superior capacities, innovative engineering, attachment flexibility, and available counterweight lowering for balanced axle loadings for travel, this crane is loaded with advances instead of compromises.

Transportability

The HTC-8650 offers superior roadability complete with 172 ft. (52.43 m) of on-board tip height. Transportability is enhanced by the unique counterweight design. In addition to the standard 5,000 lb. (2 268 kg) counterweight, two 3,000



lb. (1 361 kg) slab-type counterweight pieces and counterweight lowering are available. This hydraulic removal system can position one or both of these counterweight slabs on the carrier deck for most efficient axle load distribution or can lower them directly

onto a trailer for transport. Counterweight removal cylinders are recessed in the upper frame for protection.

Wide Stance Carrier An 8' 6" (2.59 m) wide carrier with 231" (5.87 m) wheelbase provides 'big feet' for a stable lifting base. The Link-Belt 8 x 4 carrier features:

- Large strategically located grab handles/steps and mid-mount access ladders provide superior accessibility to carrier deck areas and engine for routine maintenance and service.
- Flat deck area.
- Lightweight aluminum outrigger floats with a "quick latch" feature.
- Throttle-up switch at outrigger control station.
- Self-storing fifth outrigger steel pontoon.
- Full air, S-cam brakes on all wheel ends with automatic slack adjusters.
- Rack and pinion steering puts the operator in complete control. This two steering gear system does not have exposed machined surfaces which can be easily damaged by rocks and debris.
- Air service ports.
- Complete DOT approved light package including side mounted clearance/turn indicator lights.
- Aluminum fuel tank for less condensation and corrosion.

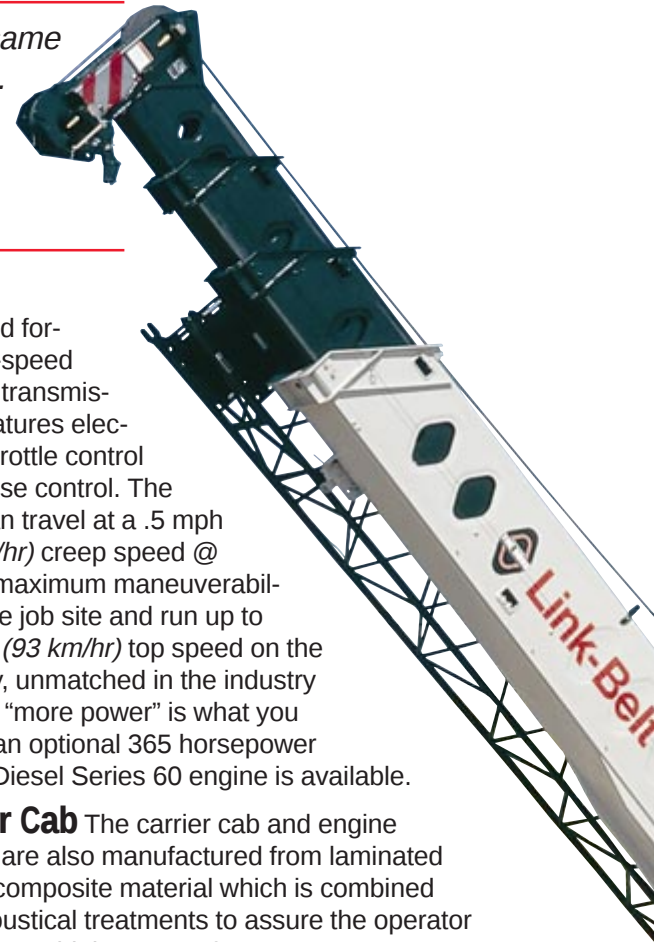
Power Train Utilization of a Detroit Diesel Series 50 engine and Eaton transmission translates to maximum parts availability as these components are common to the construction and on-highway truck industry. The Detroit Diesel 315 horsepower (235 kW) engine, coupled to the

11-speed forward, 3-speed reverse transmission, features electronic throttle control and cruise control. The 8650 can travel at a .5 mph (.80 km/hr) creep speed @ idle for maximum maneuverability on the job site and run up to 58 mph (93 km/hr) top speed on the highway, unmatched in the industry today. If "more power" is what you desire, an optional 365 horsepower Detroit Diesel Series 60 engine is available.

Carrier Cab The carrier cab and engine cowlings are also manufactured from laminated fibrous composite material which is combined with acoustical treatments to assure the operator of maximum highway comfort.



Additional features include dash mounted comprehensive instrumentation with attractive lighted gauges, sliding side and rear windows and roll up/down door window for excellent ventilation, fully adjustable air ride fabric seat, suspended pedals, and rear view mirrors. Cruise control and engine brake controls are conveniently located on transmission shift lever.





VITY • RELIABILITY

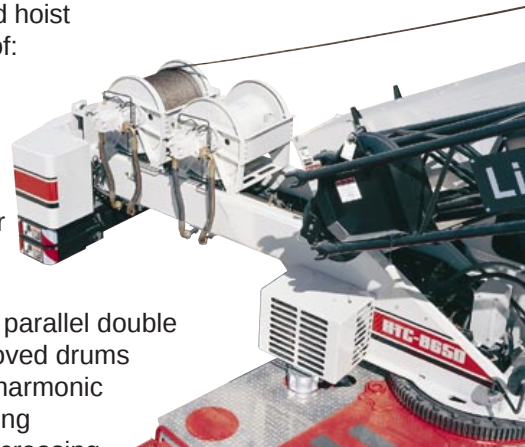
Paint Coating System Link-Belt utilizes a two-part coating technology coupled with a pre-assembly paint process to provide the finest quality coating system available today. This new coating technology provides superior adhesion and abrasion resistance. Because all parts are painted before assembly, 100% coverage of each part is realized, virtually eliminating corrosion bleed-through that is common with other paint processes.

Serviceability Wide opening engine doors provide excellent accessibility, fittings are staggered for easy servicing, and standard quick disconnects installed at various locations in the hydraulic system allow the hydraulic pressure to be quickly and easily checked with Link-Belt's exclusive diagnostic kit (optional). The driver can use the stop engine and check engine indicator lights to troubleshoot the engine. An engine diagnostic connector, located under the carrier cab dash, allows an engine service technician to further analyze engine problems with an engine diagnostic data reader.

Gear Motor Hydraulic Hoist System

The standard load hoist system consists of:

- 2M main winch with two-speed motor and automatic brake for power up/down mode of operation.
- Asynchronous, parallel double cross-over grooved drums minimize rope harmonic motion, improving spooling and increasing rope service life.
- Standard rotation resistant rope.
- An available two-speed 2M auxiliary winch. On the two-winch machines, an independent winch function lockout is provided. When this mode is selected, the operator won't inadvertently operate a winch which has been shut down preventing a two blocking or rope "bird nesting" situation.

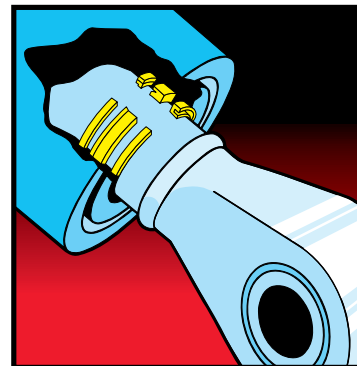


Multi-Function Control For greater productivity and control, the five pump-section hydraulic circuit provides smooth, simultaneous function of winch, boomhoist, swing, and drums.

State-Of-The-Art Oil Seal Technology

The HTC-8650 features improved seals on boomhoist, boom extend/retract, and outrigger jack cylinders. This new 'redundant' oil seal technology incorporates 3 rod sealing surfaces versus one or two found on competitive models. This new seal design is

highly resistant to side loading and pressure spikes for outstanding sealing performance and when incorporated with full O-ring face seal technology used throughout the machine, leads to an environmentally dry system.



Computer-Aided Design

Advanced, high speed computer-aided, state-of-the-art designs are measured by their reliable performance through extensive testing and re-testing before Link-Belt endorses a new idea, assuring the customer of real user value and maximum on-the-job performance.





• I N N O V A T I O N S •

The New HTC-8650 telescopic truck crane features unmatched innovations such as the Confined Area Lifting Capacity System (CALC™) and two modes of boom extension...innovative design features that have become industry standards from Link-Belt.



Retracted Outriggers
7' 9" (2.36 m) Spread



Intermediate Outriggers
14' 2" (4.32 m) Spread



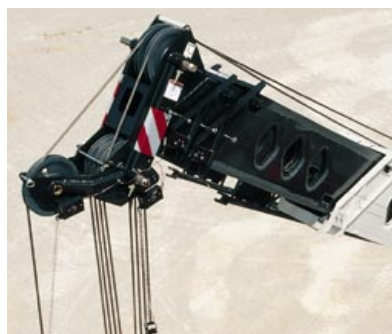
Fully Extended Outriggers
20' 6" (6.25 m) Spread

Confined Area Lifting Capacities (CALC™)

The HTC-8650 is specifically designed to allow contractors to work in confined work areas where full outrigger extension is not possible. The CALC system provides the operator with three outrigger positions (full extension, intermediate, and retracted). Outriggers may be extended to an intermediate position where working area is limited or, in extremely tight quarters, lifts can be made with outriggers fully retracted. In the fully retracted outrigger mode, lift capacities are significantly improved over the 'on tires' configuration. When the **extend position pins**, located on top of the outrigger boxes, are engaged, the operator can set the crane in the intermediate or fully retracted outrigger mode without having to leave the cab. A thorough, easy-to-read crane rating manual gives the operator comprehensive capacities covering the three outrigger positions, five counterweight configurations, and all attachments plus 'on tires' capacities.



4-Section Full Power Boom With A-max Mode



Exclusive **A-max** boom extend mode



Basic boom extend mode – boom mode 'B'

Two standard boom extension modes enhance the 8650's performance and provides the operator the capability to match the crane's configuration to specific jobsite conditions. For maximum tip height the basic boom extension mode (mode 'B') offers a full power, synchronized mode of telescoping all sections proportionally to 110' (33.53 m). To enhance performance, the exclusive **A-max** mode (or mode 'A') extends only the inner mid section to 60.3' (18.38 m) offering substantially increased capacities for in-close, maximum capacity picks.



• PATENTED BOOM •

EXCLUSIVE



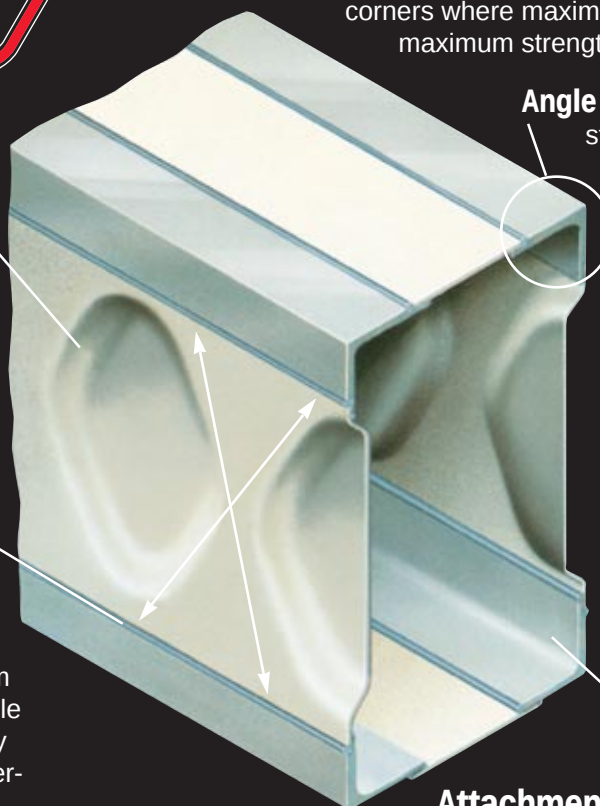
Embossed Sidewall Stiffeners With No-Weld Corners

Boom Concept The arrangement of high strength angle chords (corners) with high formability steel sidewall (embossments) places the most steel at corners where maximum stress is concentrated. The result: maximum strength with minimum weight.

Embossed Sidewall Stiffeners Increases sidewall stiffness.

Sidewall Design Concept Not only do the embossments increase sidewall stiffness, but because of their placement they naturally transfer stresses uniformly to the high strength angle chords (corners) — a concept derived from Link-Belt lattice boom technology.

Boom Wear Shoes Boom wear shoes are replaceable without boom disassembly and utilize simple fast external adjusters.



Angle Chords 100,000 psi (689.5 MPa) high strength steel angle chords are precision machined for boom sidewall overlap. This design allows all interior and exterior boom welds to be offset or staggered for maximum structural integrity.

Time Proven Boom Design Over two decades and thousands of hydraulic crane booms later, Link-Belt's exclusive, patented design is unchanged, state-of-the-art — before its time; providing superior capacities, tip heights and reliability.

It is true testimony to Link-Belt's engineering design achievement that this design concept is being imitated today for optimum performance.

NO WELDS IN HIGH STRESS CORNERS

Attachment Flexibility

- Full power, fully synchronized 35' 6" – 110' (10.82 – 33.53 m) four-section boom.
- Stowable, 34' (10.36 m) offsettable (1°, 15°, or 30° offset), one piece lattice type fly with lugs to allow addition of second section.
- Stowable, 34' – 56' (10.36 m – 17.07 m) offsettable (1°, 15°, or 30° offset) 2-piece, double swing-around, lattice type fly.

Added Value Attachment Features

- **Fast, Easy, Fly Pinning** The fly pinning tool helps eliminate the age old problem of difficult fly pin alignment and pin installation.
- **Quick Reeve Head Machinery** for fast, easy parts of line change.
- **Hammerhead Boom Nose** Allows the operator to work at high boom angles without fouling wire rope.
- **Deflector Rollers** Rollers prevent premature wire rope wear when working at low boom angles.
- **Lightweight Nylon Head Sheaves** Reduce overall machine weight and increases lift capacities.
- **Available Auxiliary Lifting Sheave** Can be used for quick lifts with one or two parts of line when the boom head has multiple reeving. And it does not have to be removed when fly is erected in working position.



Stowable Attachments Swing-away lattice flies are easily stored for transportability or can be removed to meet specific road laws.

Authorized Link-Belt Distributor

Link-Belt Construction Equipment Company Lexington, Kentucky

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#4216



Lifting Capacities

Telescopic Boom Truck Crane

HTC-8650

50-ton (45.36 metric tons)

Series II

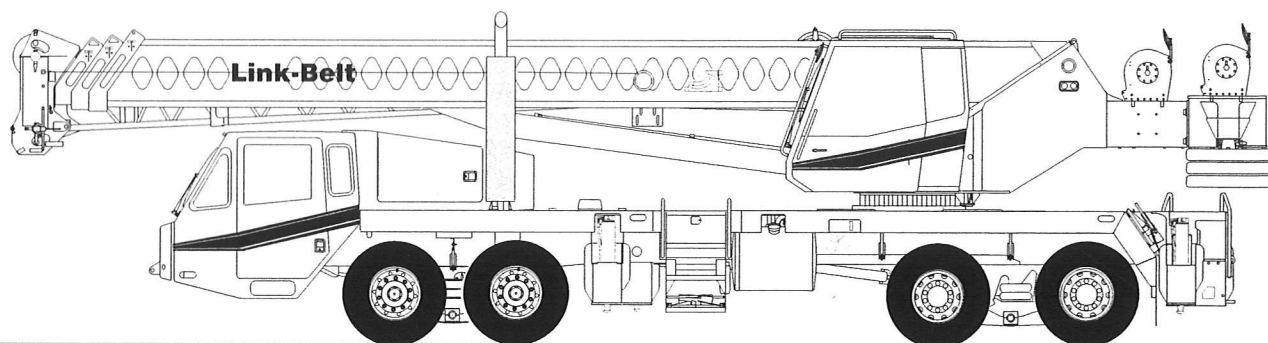
Boom and Fly Capacities for this machine are listed by the following sections.

Fully Extended Outriggers with 15,100 lbs (6 849 kg) of Counterweight

- Working Range Diagram
- 35.5' to 60.3' (10.8 – 18.4 m) Main Boom Capacities, Boom Mode "A" (A-Max)
- 35.5' to 110' (10.8 – 33.5 m) Main Boom Capacities, Boom Mode "B" (Standard)
- 28.5' to 51' (8.7 – 15.5 m) Fly Capacities, "Standard" Mode

On Tires with 15,100 lbs (6 849 kg) of Counterweight

- Pick & carry 35.5' to 60.3' (10.8 – 18.4 m) Main Boom Capacities, Boom Mode "A" (A-Max)
- Pick & carry 35.5' to 80' (10.8 – 24.38 m) Main Boom Capacities, Boom Mode "B" (Standard)
- Stationary 35.5' to 60.3' (10.8 – 18.4 m) Main Boom Capacities, Boom Mode "A" (A-Max)
- Stationary 35.5' to 80' (10.8 – 24.38 m) Main Boom Capacities, Boom Mode "B" (Standard)



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.



Link-Belt

CONSTRUCTION EQUIPMENT

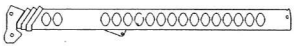
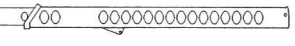
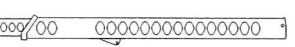
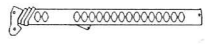
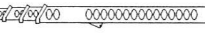
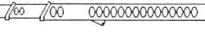
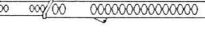
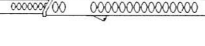
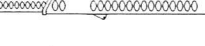
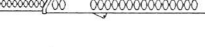
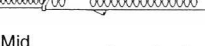
TIRE INFLATION

Tire Size	Operation	Tire Pressure (psi)
11 R 22.5	Stationary 1 mph	120 120

PONTOON LOADINGS

Maximum Pontoon Load:	Maximum Pontoon Ground Bearing Pressure:
76,000 lb	170 psi

BOOM EXTENSION

Boom Mode "A" (A-Max) Only inner mid section telescopes	
	35.5
	45
	55
	60.3
Inner Mid Section 298" Stroke	Base Section
Boom Mode "B" (Standard) Inner mid, outer mid and tip sections telescope simultaneously.	
	35.5
	45
	55
	65
	75
	85
	95
	105
	110
Tip Section 298" Stroke	Outer Mid Section 298" Stroke
Inner Mid Section 298" Stroke	Base Section

WIND SPEED RESTRICTIONS

If The Wind Speed Exceeds:	Rated Lifted Capacities Must Be Reduced By At Least:
20 – 29 MPH	40%
30 – 39 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

Wire Rope Layer	Winch Line Pulls		Drum Rope Capacity (Ft.)	
	Two Speed Winch		Layer	Total
	Low Speed Available Lb*	High Speed Available Lb		
1	15,519	7,185	97	97
2	14,037	6,499	107	204
3	12,814	5,932	118	322
4	11,787	5,457	128	450
5	10,912	5,052	138	588

*Maximum lifting capacity:
Type DB Rope = 11,770 lbs., Type RB Rope = 9,080 lbs.

WIRE ROPE CAPACITY

Maximum Lifting Capacities Based On Wire Rope Strength			
Parts of Line	5/8"	5/8"	Notes
	Type DB	Type RB	
1	11,770	9,080	Capacities shown are in pounds and working loads must not exceed the ratings on the capacity charts in the Crane Rating Manual. Capacity deducts for auxiliary lifting devices do not apply for wire rope strength capacities. Study Operator's Manual for wire rope inspection procedures and single part of line applications.
2	23,540	18,160	
3	35,310	27,240	
4	47,080	36,320	
5	58,850	45,400	
6	70,620	54,480	
7	82,390	63,560	
8	94,160	72,640	
9	105,930	81,720	

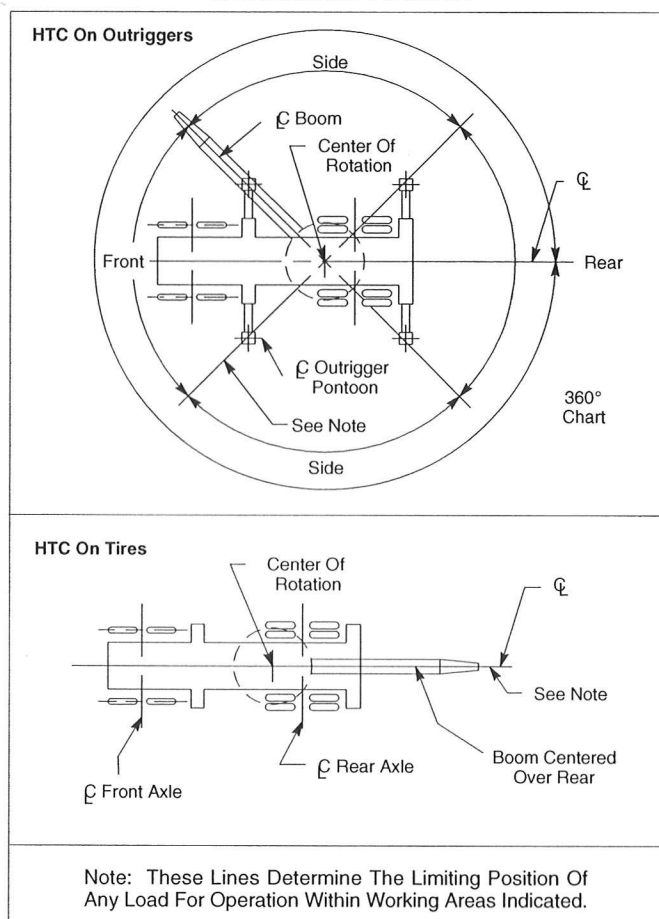
LBCE DESCRIPTION

TYPE DB	6 X 26 (6 X 19 Class) – Warrington Seale – Extra Improved Plow Steel – Preformed – Right Regular Lay – I.W.R.C.
TYPE RB	18 X 19 Rotation Resistant – Compact Strand, High Strength Preformed, Right Regular Lay

HYDRAULIC CIRCUIT PRESSURE SETTINGS

Function	Pressure (psi)
Front And Rear Winch	3,400
Outriggers	3,000
Boom Hoist	3,500
Telescope	3,000
Swing	2,000
Steering	2,000
Bumper Outtrigger	650
Pilot Control	500

WORKING AREAS

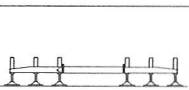
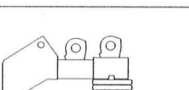
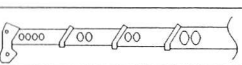
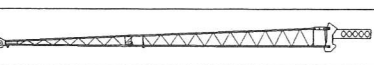


CAPACITY DEDUCTIONS

Load Handling Equipment	Weight (lb)
40 Ton Quick Reeve 4 Sheave Hook Block (See Hook Block For Actual Weight)	780
50 Ton Quick Reeve 5 Sheave Hook Block (See Hook Block For Actual Weight)	1,090
8.5 Ton Hook Ball (See Hook Ball For Actual Weight)	360

Auxiliary Lifting Devices	Weight (lb)
Auxiliary Head Attached	100
Lifting From Main Boom With:	
28.5 Ft. Or 51 Ft. Fly Stowed On Boom Base (See Operation Note 5)	0
28.5 Ft. Offset Fly Erected But Not Used	3,900
51 Ft. Offset Fly Erected But Not Used	7,800
Lifting From 28.5 Ft. Offset Fly With:	
22.5 Ft. Fly Tip Erected But Not Used	Prohibited
22.5 Ft. Fly Tip Stowed On 28.5 Ft. Offset Fly	Prohibited
Note: Capacity deductions are for Link-Belt supplied equipment only.	

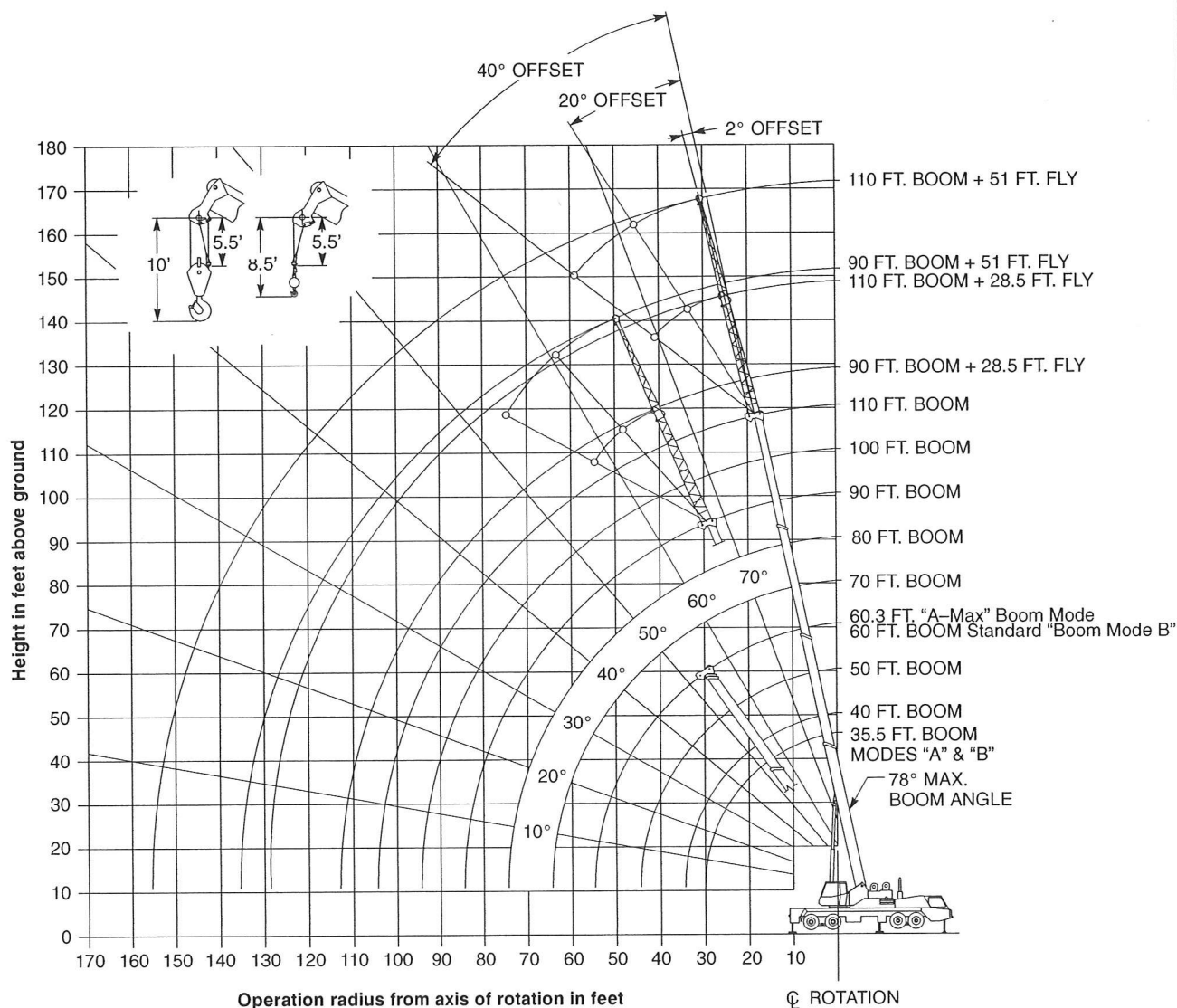
ALLOWABLE CRANE CONFIGURATION

					
		Mode "A" (A—Max)	Mode "B" (Standard)	28.5'	51'
ON TIRES	4,300	35.5'–60.3'	35.5'–80'	—	—
	7,900			—	—
	11,500			—	—
	15,100 (optional)			—	—
RETRACTED	4,300	—	—	—	—
	7,900	35.5'–60.3'	35.5'–70'	—	—
	11,500		35.5'–80'	—	—
	15,100 (optional)		35.5'–90'	—	—
INTERMEDIATE	4,300	35.5'–60.3'	35.5'–100'	—	—
	7,900		35.5'–110'	—	—
	11,500		35.5'–110'	—	—
	15,100 (optional)		35.5'–110'	35.5'–110'	—
FULL	4,300	35.5'–60.3'	35.5'–110'	35.5'–110'	35.5'–110'
	7,900				
	11,500				
	15,100 (optional)				



Link-Belt
CONSTRUCTION EQUIPMENT

WORKING RANGE DIAGRAM

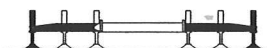
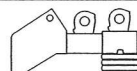
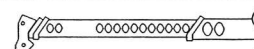


Note: Boom and fly geometry shown are for unloaded condition and crane standing level on firm supporting surface. Boom deflection, subsequent radius, and boom angle change must be accounted for when applying load to hook.



WARNING

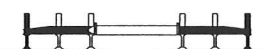
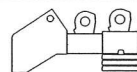
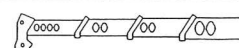
Do Not Lower The Boom Below The Minimum Boom Angle For No Load Stability As Shown In The Lift Charts For The Boom Lengths Given. Loss Of Stability Will Occur Causing A Tipping Condition.


**Rated Lifting Capacities
In Pounds**

FULL OUTRIGGERS

15,100 # CTWT

**MAIN BOOM
"A" (A-Max)**

Load Radius (Ft.)	35.5 Ft.			40 Ft.		
	$\angle$ °	360°	Over Rear	$\angle$ °	360°	Over Rear
10	68.0	100,000	100,000	70.5	80,900	80,900
12	64.5	76,000	76,000	67.5	73,200	73,200
15	58.5	65,800	65,800	62.5	63,600	63,600
20	48.0	53,400	53,400	54.0	52,000	52,000
25	34.5	41,900	41,900	44.0	41,700	41,700
30				31.0	32,200	33,400
Min.Bm. Ang./ Cap.	0.0 (30.0)	17,800	17,800	0.0 (34.5)	15,400	15,400

Load Radius (Ft.)	50 Ft.			60.3 Ft.		
	$\angle$ °	360°	Over Rear	$\angle$ °	360°	Over Rear
10	75.0	72,800	72,800			
12	72.5	65,800	65,800	76.5	50,900	50,900
15	69.0	57,700	57,700	73.5	47,300	47,300
20	62.5	47,500	47,500	68.5	39,300	39,300
25	55.5	40,300	40,300	63.0	33,500	33,500
30	48.0	31,800	33,100	57.5	28,800	28,800
35	39.0	23,700	27,100	51.0	23,400	25,300
40	27.5	18,300	22,600	44.0	18,100	22,400
45				36.0	14,300	18,700
50				26.0	11,500	15,300
Min.Bm. Ang./ Cap.	0.0 (44.5)	10,100	10,100	0.0 (54.8)	6,600	6,600

() Reference Radius For Min. Boom Angle Capacities (Shown in Parenthesis) Are In Feet.

**Rated Lifting Capacities
In Pounds**

FULL OUTRIGGERS

15,100 # CTWT

**MAIN BOOM
"B" (Standard)**

Load Radius (Ft.)	35.5 Ft.			40 Ft.		
	$\angle$ °	360°	Over Rear	$\angle$ °	360°	Over Rear
10	68.0	100,000	100,000	70.5	37,900	37,900
12	64.5	76,000	76,000	67.5	37,900	37,900
15	58.5	65,800	65,800	62.5	37,900	37,900
20	48.0	53,400	53,400	54.0	37,900	37,900
25	34.5	41,900	41,900	44.0	37,900	37,900
30				31.0	32,900	33,900
Min.Bm. Ang./ Cap.	0.0 (30.0)	17,800	17,800	0.0 (34.5)	14,700	14,700

Load Radius (Ft.)	50 Ft.			60 Ft.		
	$\angle$ °	360°	Over Rear	$\angle$ °	360°	Over Rear
10	74.5	37,900	37,900	77.5	37,900	37,900
12	72.5	37,900	37,900	76.0	37,900	37,900
15	69.0	37,900	37,900	73.0	37,900	37,900
20	62.5	37,900	37,900	68.0	37,900	37,900
25	55.5	37,900	37,900	62.5	37,900	37,900
30	48.0	33,600	34,500	56.5	33,900	34,500
35	39.0	25,400	28,500	50.5	25,800	28,900
40	27.5	19,900	24,000	43.5	20,400	24,300
45				35.5	16,500	20,800
50				25.0	13,500	17,400
Min.Bm. Ang./ Cap.	0.0 (44.5)	10,000	10,000	0.0 (54.5)	7,100	7,100

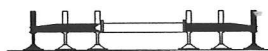
() Reference Radius For Min. Boom Angle Capacities (Shown in Parenthesis) Are In Feet.



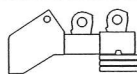
Link-Belt

CONSTRUCTION EQUIPMENT

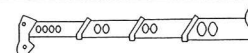
Rated Lifting Capacities In Pounds



FULL OUTRIGGERS



15,100 # CTWT

MAIN BOOM
"B" (Standard)

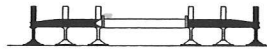
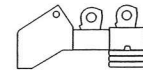
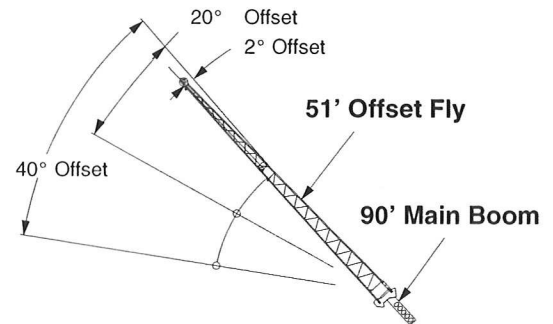
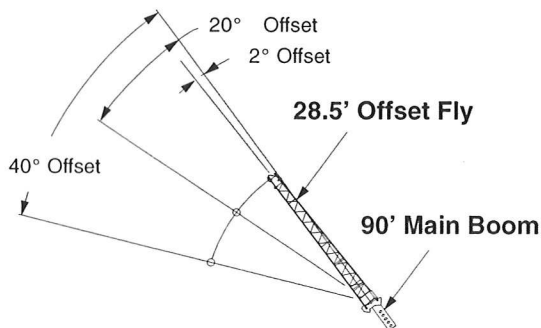
Load Radius (Ft.)	70 Ft.			80 Ft.		
	$\angle^\circ$	360°	Over Rear	$\angle^\circ$	360°	Over Rear
12	78.0*	37,900	37,900			
15	76.0	37,900	37,900	78.0*	35,400	35,400
20	72.0	37,900	37,900	74.5	34,700	34,700
25	67.5	37,900	37,900	71.0	34,300	34,300
30	62.5	32,900	32,900	67.0	30,400	30,400
35	57.5	25,900	29,000	63.0	26,100	27,300
40	52.5	20,600	24,600	58.5	20,700	24,500
45	46.5	16,700	21,100	54.0	16,800	21,200
50	40.5	13,800	17,700	49.0	13,900	17,800
55	33.0	11,500	15,000	44.0	11,700	15,200
60	23.5	9,700	12,800	38.0	9,900	13,000
65				31.0	8,400	11,300
70				22.0	7,100	9,800
Min.Bm. Ang./ Cap.	0.0 (64.5)	5,000	5,000	0.0 (74.5)	3,600	3,600

Load Radius (Ft.)	90 Ft.			100 Ft.		
	$\angle^\circ$	360°	Over Rear	$\angle^\circ$	360°	Over Rear
20	77.0	28,900	28,900			
25	74.0	28,300	28,300	76.0	24,000	24,000
30	70.5	24,900	24,900	73.0	22,600	22,600
35	67.0	22,100	22,100	70.0	20,100	20,100
40	63.5	19,800	19,800	67.0	18,000	18,000
45	59.5	16,900	17,900	63.5	16,200	16,200
50	55.5	14,000	16,200	60.0	14,100	14,500
55	51.0	11,800	14,700	56.5	11,800	13,200
60	46.5	10,000	13,100	52.5	10,100	12,100
65	41.5	8,600	11,400	48.5	8,600	11,200
70	36.0	7,300	9,900	44.5	7,400	10,000
75	29.5	6,200	8,700	39.5	6,300	8,800
80	21.0	5,300	7,600	34.5	5,400	7,700
85				28.5	4,600	6,800
90				20.5	4,000	6,000
Min.Bm. Ang./ Cap.	0.0 (84.5)	2,500	2,500	0.0 (94.5)	1,600	1,600

Load Radius (Ft.)	110 Ft.		
	$\angle^\circ$	360°	Over Rear
25	77.5	19,500	19,500
30	75.0	19,500	19,500
35	72.5	18,500	18,500
40	70.0	16,500	16,500
45	67.0	14,700	14,700
50	64.0	13,300	13,300
55	61.0	11,900	12,100
60	57.5	10,200	11,100
65	54.0	8,700	10,100
70	50.5	7,500	9,200
75	46.5	6,400	8,400
80	42.5	5,500	7,600
85	38.0	4,700	6,900
90	33.0	4,000	6,000
95	27.5	3,400	5,300
100	20.0	2,900	4,700
Min.Bm. Ang./Cap.	0.0 (104.5)	900	900

() Reference Radius For Min. Boom Angle Capacities (Shown In Parenthesis) Are In Feet.

* This Capacity Based On Maximum Obtainable Boom Angle.


**Rated Lifting Capacities
In Pounds**
**FULL OUTRIGGERS****15,100 # CTWT**

Load Radius (Ft.)	2° Offset		20° Offset		40° Offset	
	∠ °	360°	∠ °	360°	∠ °	360°
30	77.0	16,900				
35	74.5	14,200				
40	72.0	13,500	75.5	10,600		
45	69.5	12,800	73.0	10,100	76.5	7,900
50	67.0	12,100	70.5	9,700	73.5	7,700
55	64.5	11,500	68.0	9,200	71.0	7,400
60	61.5	10,700	65.0	8,800	68.0	7,200
65	58.5	9,500	62.0	8,400	65.0	7,000
70	55.0	8,300	59.0	8,000	62.0	6,900
75	51.5	7,200	56.0	7,600	58.5	6,800
80	48.0	6,300	52.0	6,700	55.0	6,700
85	44.5	5,500	48.5	5,800	51.0	6,000
90	40.5	4,800	44.0	5,100	46.0	5,200
95	36.0	4,200	39.5	4,400	41.0	4,500
100	31.0	3,600	34.5	3,800		
105	25.0	3,100	28.0	3,300		
110	16.5	2,700				
Min.Bm. Ang./ Cap.	0.0	800	0.0	900	0.0	900

Load Radius (Ft.)	2° Offset		20° Offset		40° Offset	
	∠ °	360°	∠ °	360°	∠ °	360°
35	78.0*	9,200				
40	76.0	8,600				
45	74.0	8,100				
50	72.0	7,600	78.0*	5,500		
55	70.0	7,000	75.5	5,200		
60	67.5	6,600	73.5	4,900		
65	65.5	6,100	71.0	4,700	77.0	3,700
70	63.0	5,800	69.0	4,400	74.5	3,600
75	61.0	5,400	66.5	4,200	72.0	3,500
80	58.5	5,100	64.0	4,100	69.5	3,400
85	56.0	4,800	61.5	3,900	66.5	3,300
90	53.0	4,600	59.0	3,800	63.5	3,200
95	50.5	4,300	56.0	3,600	60.5	3,200
100	47.5	4,100	53.0	3,500	57.5	3,100
105	44.5	3,700	50.0	3,400	54.0	3,100
110	41.0	3,300	46.5	3,300	50.0	3,100
115	37.0	2,900	43.0	3,200	45.5	3,100
120	33.0	2,500	38.5	2,800	40.0	2,800
125	28.0	2,200	33.0	2,400		
130	22.0	1,900	26.0	2,000		
135	11.0	1,300				
Min.Bm. Ang./ Cap.	0.0	100	0.0	200	0.0	300

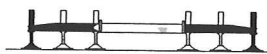
* This Capacity Based On Maximum Obtainable Boom Angle.



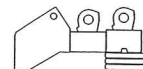
Link-Belt

CONSTRUCTION EQUIPMENT

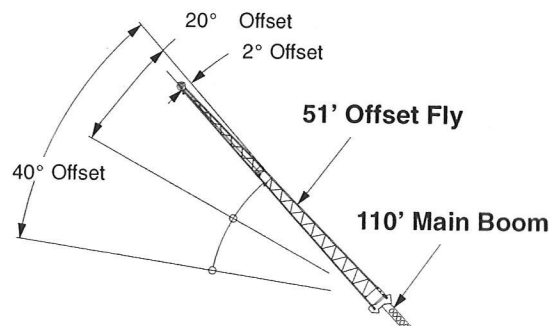
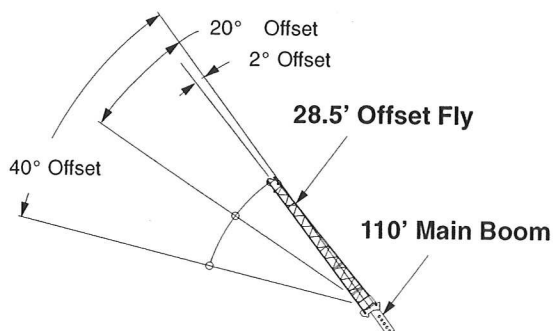
Rated Lifting Capacities In Pounds



FULL OUTRIGGERS



15,100 # CTWT



Load Radius (Ft.)	2° Offset		20° Offset		40° Offset	
	2°	360°	2°	360°	2°	360°
35	77.0	9,400				
40	75.5	9,400				
45	73.5	9,400	77.0	9,600		
50	71.5	9,400	75.0	9,200	78.0*	7,600
55	69.5	9,300	73.0	8,600	75.5	7,400
60	67.5	8,600	70.5	8,000	73.5	7,200
65	65.0	8,000	68.5	7,400	71.0	7,000
70	62.5	7,500	66.0	7,000	68.5	6,600
75	60.0	7,000	63.5	6,500	66.0	6,200
80	57.5	6,100	61.0	6,200	63.5	5,900
85	54.5	5,300	58.0	5,700	60.5	5,600
90	51.5	4,600	55.0	5,000	57.5	5,200
95	48.5	4,000	52.0	4,300	54.0	4,500
100	45.0	3,500	48.5	3,700	50.5	3,900
105	42.0	3,000	45.0	3,200	46.5	3,400
110	38.0	2,500	41.0	2,700	42.5	2,800
115	34.0	2,200	37.0	2,300		
120	29.5	1,800	32.0	1,900		
125	24.0	1,500	26.0	1,500		
130	16.0	1,200				

⚠ WARNING

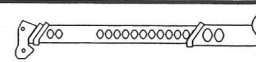
Do Not Lower 28.5 Ft. Offset Fly In Working Position Below 11.5° Main Boom Angle Unless Main Boom Length Is 109 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

Load Radius (Ft.)	2° Offset		20° Offset		40° Offset	
	2°	360°	2°	360°	2°	360°
45	77.0	6,200				
50	75.5	6,200				
55	74.0	6,200				
60	72.5	6,200	77.5	4,900		
65	70.5	6,100	75.5	4,700		
70	68.5	5,800	73.5	4,500		
75	66.5	5,400	71.5	4,300	76.5	3,500
80	64.5	5,000	70.0	4,200	74.5	3,400
85	62.5	4,700	68.0	4,000	72.5	3,300
90	60.5	4,400	65.5	3,900	70.0	3,300
95	58.5	4,100	63.5	3,700	68.0	3,200
100	56.0	3,900	61.5	3,600	65.5	3,200
105	53.5	3,400	59.0	3,400	63.0	3,100
110	51.0	3,000	56.5	3,300	60.5	3,100
115	48.0	2,600	54.0	3,000	57.5	3,000
120	45.5	2,200	50.5	2,600	54.5	2,800
125	42.5	1,900	47.5	2,200	51.0	2,400
130	39.0	1,600	44.0	1,900	47.0	2,000
135	35.5	1,300	40.5	1,600	42.5	1,700
140			36.5	1,300		

⚠ WARNING

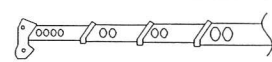
Do Not Lower 51 Ft. Offset Fly In Working Position Below 34.0° Main Boom Angle Unless Main Boom Length Is 98 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

*This Capacity Based On Maximum Obtainable Boom Angle.


Rated Lifting Capacities In Pounds
Stationary
Boom Centered Over Rear
**ON TIRES****15,100 # CTWT****MAIN BOOM**
"A" (A-Max)

Load Radius (Ft.)	35.5 Ft.		40 Ft.	
	$\angle^\circ$	Load	$\angle^\circ$	Load
10	68.0	49,000		
12	64.0	44,800	67.5	44,700
15	58.5	39,600	62.5	39,400
20	48.0	26,000	54.0	25,800
25	34.5	18,200	43.5	18,100
30			31.0	13,300
Min.Bm. Ang./Cap.	0.0 (30.0)	13,300	0.0 (34.5)	10,200

Load Radius (Ft.)	50 Ft.		60.3 Ft.	
	$\angle^\circ$	Load	$\angle^\circ$	Load
15	69.0	25,500		
20	62.5	25,500	68.0	17,700
25	55.5	17,900	62.5	17,700
30	47.5	13,100	56.5	12,900
35	39.0	9,800	50.5	9,700
40	27.5	7,400	43.5	7,300
45			36.0	5,500
50			25.5	4,100
Min.Bm. Ang./Cap.	0.0 (44.5)	5,700	0.0 (54.8)	2,900

Rated Lifting Capacities In Pounds
Stationary
Boom Centered Over Rear
**ON TIRES****15,100 # CTWT****MAIN BOOM**
"B" (Standard)

Load Radius (Ft.)	35.5 Ft.		40 Ft.	
	$\angle^\circ$	Load	$\angle^\circ$	Load
10	68.0	49,000		
12	64.0	44,800	67.5	37,900
15	58.5	39,600	62.5	37,900
20	48.0	26,000	54.0	26,300
25	34.5	18,200	43.5	18,600
30			31.0	13,800
35				
40				
Min.Bm. Ang./Cap.	0.0 (30.0)	13,300	0.0 (34.5)	10,700

Load Radius (Ft.)	50 Ft.		60 Ft.	
	$\angle^\circ$	Load	$\angle^\circ$	Load
10				
12				
15	68.5	29,200		
20	62.0	26,900	67.5	19,500
25	55.0	19,100	62.0	19,500
30	47.5	14,300	56.0	14,600
35	38.5	11,000	50.0	11,300
40	27.5	8,600	43.0	8,900
45			35.0	7,100
50			25.0	5,700
Min.Bm. Ang./Cap.	0.0 (44.5)	6,900	0.0 (54.5)	4,600

Load Radius (Ft.)	70 Ft.		80 Ft.	
	$\angle^\circ$	Load	$\angle^\circ$	Load
20				
25	66.5	14,800		
30	62.0	14,800	66.0	14,200
35	57.0	11,600	62.0	11,700
40	52.0	9,200	57.5	9,300
45	46.0	7,300	53.0	7,500
50	40.0	5,900	48.5	6,100
55	32.5	4,700	43.0	4,900
60	23.0	3,800	37.5	4,000
65			30.5	3,200
70			21.5	2,500
Min.Bm. Ang./Cap.	0.0 (64.5)	3,000	0.0 (74.5)	1,900

() Reference Radius For Min. Boom Angle Capacities (Shown in Parenthesis) Are In Feet.



Link-Belt

CONSTRUCTION EQUIPMENT

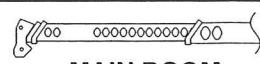
Rated Lifting Capacities In Pounds Pick & Carry – 1 MPH Boom Centered Over Rear



ON TIRES



15,100 # CTWT

MAIN BOOM
"A" (A-Max)

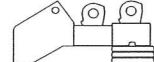
Load Radius (Ft.)	35.5 Ft.		40 Ft.	
	∠ °	Load	∠ °	Load
10	68.0	36,100		
12	64.0	32,900	67.5	32,800
15	58.5	28,800	62.5	28,700
20	48.0	23,500	53.5	23,400
25	34.5	18,200	43.5	18,100
30			31.0	13,300
Min.Bm. Ang./Cap.	0.0 (30.0)	13,300	0.0 (34.5)	10,200

Load Radius (Ft.)	50 Ft.		60.3 Ft.	
	∠ °	Load	∠ °	Load
15	68.5	23,200		
20	62.0	23,200	68.0	17,700
25	55.5	17,900	62.5	17,700
30	47.5	13,100	56.5	12,900
35	39.0	9,800	50.5	9,700
40	27.5	7,400	43.5	7,300
45			36.0	5,500
50			25.5	4,100
Min.Bm. Ang./Cap.	0.0 (44.5)	5,700	0.0 (54.8)	2,900

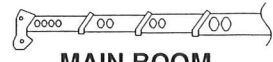
Rated Lifting Capacities In Pounds Pick & Carry – 1 MPH Boom Centered Over Rear



ON TIRES



15,100 # CTWT

MAIN BOOM
"B" (Standard)

Load Radius (Ft.)	35.5 Ft.		40 Ft.	
	∠ °	Load	∠ °	Load
10	68.0	36,100		
12	64.0	32,900	67.5	33,100
15	58.5	28,800	62.5	29,000
20	48.0	23,500	53.5	23,700
25	34.5	18,200	43.5	18,600
30			31.0	13,800
Min.Bm. Ang./Cap.	0.0 (30.0)	13,300	0.0 (34.5)	10,700

Load Radius (Ft.)	50 Ft.		60 Ft.	
	∠ °	Load	∠ °	Load
15	68.5	29,200		
20	62.0	24,000	67.5	19,500
25	55.0	19,100	62.0	19,500
30	47.5	14,300	56.0	14,600
35	38.5	11,000	50.0	11,300
40	27.5	8,600	43.0	8,900
45			35.0	7,100
50			25.0	5,700
Min.Bm. Ang./Cap.	0.0 (44.5)	6,900	0.0 (54.5)	4,600

Load Radius (Ft.)	70 Ft.		80 Ft.	
	∠ °	Load	∠ °	Load
20				
25	66.5	14,800		
30	62.0	14,800	66.0	14,200
35	57.0	11,600	62.0	11,700
40	52.0	9,200	57.5	9,300
45	46.0	7,300	53.0	7,500
50	40.0	5,900	48.5	6,100
55	32.5	4,700	43.0	4,900
60	23.0	3,800	37.5	4,000
65			30.5	3,200
70			21.5	2,500
Min.Bm. Ang./Cap.	0.0 (64.5)	3,000	0.0 (74.5)	1,900

() Reference Radius For Min. Boom Angle Capacities (Shown in Parenthesis) Are In Feet.

Link-Belt Construction Equipment Company

Lexington, Kentucky

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