HTC-8670

70-ton *(63.50 mt)*
Hydraulic Truck Crane

- 70-ton *(63.50 mt)* at 9' *(2.74 m)* radius
- 115' *(35.05 m)* four-section, full power boom with quick-reeve boom head
- 182' *(55.47 m)* maximum tip height
- Optional 61' *(18.59 m)* two-piece (bi-fold) lattice fly, stowable, offsettable to 2°, 20° and 40°
- No deducts for stowed attachments
- Full-deck aluminum fenders
- Pilot-operated hydraulic controls
- On-highway 365 hp electronic Cummins engine with Jake brake
- 16,000 lb *(7 258 kg)* counterweight

HTC-8670
Long Boom

70-ton *(63.50 mt)*
Hydraulic Truck Crane

The HTC-8670 Long Boom boasts all of the outstanding features of the HTC-8670, in addition to:

- 127' *(38.71 m)* four-section, full power boom with quick reeve boom head
- 200' *(60.96 m)* maximum tip height
- Optional 67' *(20.42 m)* two-piece (bi-fold) lattice fly, stowable, offsettable to 2°, 20° and 40°

Link-Belt
CONSTRUCTION EQUIPMENT

HTC-8670

World class combination of form and function ... only from Link-Belt!

- A-max boom mode
- Confined Area Lifting Capacities (CALC)
- BOSS™ boom
- Ultra-Cab with CabWalk™

Quick reeve head machinery for fast, easy line change

Hammerhead boom nose allows the operator to work at high boom angles without fouling wire rope.

Deflector 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 is pinned on (not bolted) and requires only one man for installation. It can be used for quick lifts with one or two parts of line when the boom head has multiple reeving. And it remains on the boom through any fly combination, regardless of offset.

HTC-8670 Long Boom

All the great features of the HTC-8670 PLUS:

- Longer boom
- Longer fly

4-section full power boom with attachment flexibility

- **HTC-8670:**
  - 38' to 115' *(11.58 - 35.05 m)*
  - Maximum tip height is 182' *(55.47 m)* with the attachment and main boom used in combination
- **HTC-8670 LB:**
  - 41' to 127' *(12.50 - 38.71 m)*
  - Maximum tip height is 200' *(60.96 m)* with the attachment and main boom used in combination
- Features the "**Boss,**" **Link-Belt's patented boom design** of high-strength angle cords and high formability sidewall embossments

A-max mode

The basic boom extension (mode "B") self-proportions all four sections equally. The exclusive A-max mode (mode "A") extends only the inner mid-section to 63' 6" *(19.39 m)* on the HTC-8670 and 69' 6" *(21.21 m)* on the HTC-8670 LB, offering **substantially increased capacities** for in-close, maximum capacity picks, and providing the operator the capability to match the crane's configuration to specific job site conditions.

Optional two-piece bi-fold lattice fly

- HTC-8670: 36' 6" - 61' *(11.13 - 18.59 m)*
- HTC-8670 LB: 39' 6" - 67' *(12.04 - 20.42 m)*
- Erection of two-piece (bi-fold) lattice fly is a one-man operation
- Exclusive design reduces side deflection when lifting load
- Easy to erect and stow
- Also available: One-piece lattice fly with lugs to allow addition of second section
  - HTC-8670: 36' 6" *(11.13 m)*, HTC-8670 LB: 39' 6" *(12.04 m)*
- **Attachments offset** to 2°, 20° and 40°

Lightweight fiberglass engine hood is common to all HTC cranes, and can be removed as a complete unit for heavy engine maintenance.

The **Confined Area Lifting Capacities** (CALC) system provides three outrigger positions:
- full retraction
- intermediate extension
- full extension

Outrigger pins eliminate guesswork by automatically positioning outriggers at midpoint position.

Sheppard rack & pinion steering system provides 40° wheel cuts. The HTC-8670 has a 38' 10" *(11.84 m)* turning radius, and the HTC-8670 LB has a 41' 7" *(12.67 m)* turning radius.

Link-Belt's **innovative two-part paint coating technology**, coupled with a pre-assembly paint process, provides the finest quality coating system available today. This enhances the overall aesthetic appeal of the final machine, as nuts, bolts, hoses and various parts are no longer painted. As a result, paint chipping, cracking and deterioration are significantly reduced when service work and disassembly are required. The paint is totally cured using an oven-baking process prior to assembly.

All powder-coated hydraulic lines and electrical routings are tied off with brass clamps. Nylatron insulators are impervious to salt or chemicals.

All-aluminum wheels and front/rear radial tires are rated for use on 70-ton cranes, and are interchangeable with all other cranes in the HTC series, 70-ton and smaller.

Link-Belt CONSTRUCTION EQUIPMENT

Piston motor hydraulic hoist system

Standard **load hoist system** consists of a main winch with two-speed motor and automatic brake for power up/down mode of operation. A bi-directional piston-type hydraulic motor, driven through a planetary reduction unit provides precise smooth load control with minimal rpm's.

Asynchronous, parallel double cross-over grooved drums minimize rope harmonic motion, improving spooling and increasing rope service life. A two-speed auxiliary winch is an available option.

For greater productivity and control, the five pump-section hydraulic circuit provides smooth, simultaneous function of winches, boom hoist, swing and boom telescope.

The Ultra-Cab is roomier and quieter than traditional cabs

- **Six-way adjustable fabric seat** with lift-up armrest (which deactivates control functions when raised)
- Armrest mounted, responsive **dual axis hydraulic controllers**
- Bubble level **sight level** mounted on side console
- **Ducted air** through automotive-style directional vents
- **Sliding right side**, rear windows and swing-up roof window
- **Single foot pedal** control
- **Automotive-style windshield**
- Corner-post-mounted, **backlit gauges**
- Large, sweeping **electric wipers**
- **Dashless** design
- **Interchangeable with entire HTC and RTC lines**, with exception of the RTC-8030 Series II and RTC-8060

Integral rated capacity limiter

The Microguard 434 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.

An exclusive feature on the HTC-8670 and HTC-8670 LB 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.

The Microguard 434 also features:

- Improved access time
- Radio frequency shielding
- Large liquid crystal alpha-numeric display
- Total system override capabilities to provide for rigging requirements
- Optional graphic display bar, positioned near the top of the windshield for optimum viewing during crane operation alerts the operator of the current lift capacity through a series of green, yellow and red lights.

Superior accessibility

Access to the operator's cab and engine compartment is superb with strategically-located ladders and steps. The pull-out CabWalk™ slides out from its secured travel position underneath the operator's cab to give the operator a platform to stand on for easy entry and exit from the cab.

Two standard **carrier-mounted outrigger controls**, located on each side of the carrier, include a throttle-up switch that brings engine up to 1,200 rpm's for fast outrigger deployment. For fine level adjusting of the carrier, throttle can be taken down to idle.

Lightweight **aluminum outrigger floats** with "quick latch" feature improves set-up time.

Another first from Link-Belt, the **axle lift system** holds the rear axles level while the crane is on outriggers.

Smooth ride with air-ride suspension

Standard air-ride suspension provides a smooth ride and precise handling. For "pick-and-carry" operations, the air bags are deflated, allowing the suspension to rest solid on the carrier frame. When the "pick-and-carry" operation is completed, simply flip a switch and the air bags automatically re-inflate.

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.

Transportability

The HTC-8670 and HTC-8670 LB come standard with 12,000 lbs of counterweight and can also use two auxiliary 2,000 lb counterweights. The hydraulic counterweight removal system can position 12,000 lbs of counterweights on the carrier deck for transport.

Stowable attachments
Swing-away lattice flys are easily stored for transport or can be removed to meet specific road laws.

Carrier cab

The carrier cab and engine cowling are manufactured of the same LFC 2000 construction process as the upper operator's cab. This rust-free, laminated fibrous composite material combined with additional acoustical treatments assure the operator of maximum highway comfort. And the rack and pinion steering puts the operator in complete control. Interchangeable with entire HTC line.

Additional comfort and safety features include:

- Dash-mounted comprehensive instrumentation with backlit gauges
- Sliding side and rear windows and roll up/down door window provides excellent ventilation
- Fully adjustable air ride fabric seat
- Suspended pedals
- Rear view mirrors

Cruise to your next job site

Utilizing a Detroit Diesel Series 60 engine and an Eaton transmission, the HTC-8670 and HTC-8670 LB can run up to 58.20 mph *(93.66 km/hr)* top speed on the highway, unmatched in the industry today. Move it on the job site at less than 0.5 mph *(.80 km/hr)* creep speed at idle for maximum maneuverability.

- Detroit Diesel 365 horsepower *(272 kW)* engine
- Eaton 11-speed forward, 3-speed reverse transmission
- Electronic throttle control
- Cruise control

FOR MORE INFORMATION, CONTACT YOUR AUTHORIZED LINK-BELT DISTRIBUTOR:

Link-Belt
CONSTRUCTION EQUIPMENT

Lexington, Kentucky
www.linkbelt.com

Litho in U.S.A. 09/01 #4262

Link-Belt CONSTRUCTION EQUIPMENT

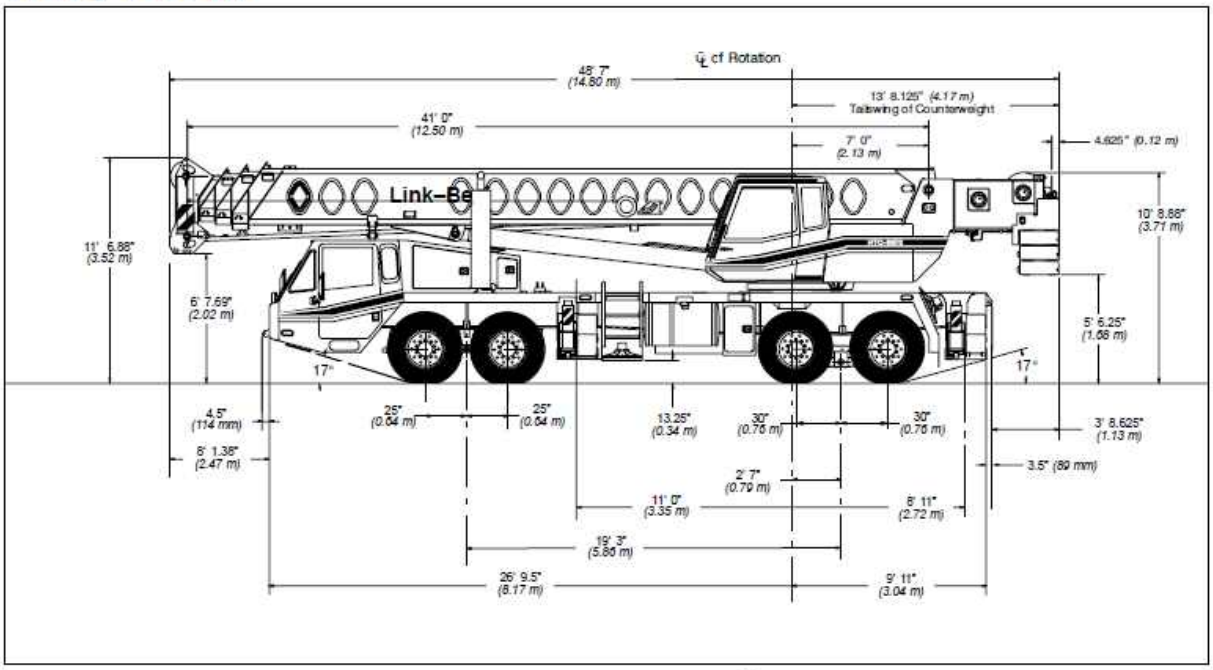
Specifications

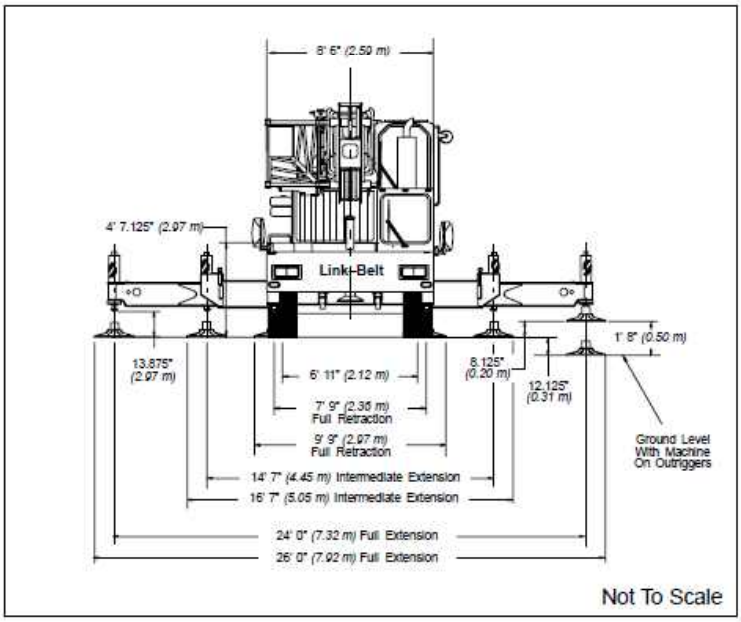
Telescopic Boom Truck Crane

HTC–8670 LB

70–ton *(63.5 metric tons)*

Long Boom





General Dimensions	feet	*meters*
Turning radius (wall to wall)	51' 2.75"	*15.61*
Turning radius (curb to curb)	41' 10.5"	*12.76*
Ground clearance	13.25"	*0.34*
Tailswing	13' 8.125"	*4.17*

Litho in U.S.A. 3/03

#5383 (Supersedes #5353)

Link-Belt
CONSTRUCTION EQUIPMENT

Lifting Capacities

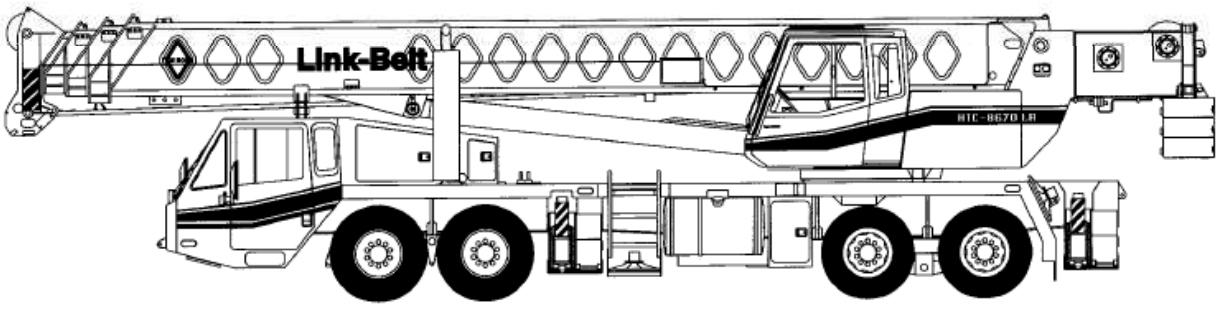
Telescopic Hydraulic Truck Crane

HTC-8670LB 70-ton *(63.5 metric ton)*

Boom and fly capacities for this machine are listed by the following sections:

Fully Extended Outriggers

- Working Range Diagram (0, 4,000, 8,000, 12,000 and 16,000 lb. Counterweight)
- 41' to 69' 6" main boom capacities, ***A-max*** Mode
- 41' to 127' main boom capacities, Basic Mode "B"
- 39' 6" offset fly capacities, Basic Mode "B" (4,000, 8,000, 12,000 and 16,000 lb. Counterweight)
- 39' 6" to 67' Two-piece offsettable fly capacities, Basic Mode "B" (8,000, 12,000 and 16,000 lb. Counterweight)



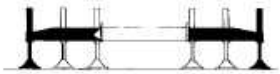
CAUTION: This material is supplied for reference only. Operator must refer to in-cab crane rating manual to determine allowable machine lifting capacities and operating procedures.

Litho in U.S.A. 3/99

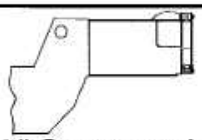
#6243

Link-Belt
CONSTRUCTION EQUIPMENT

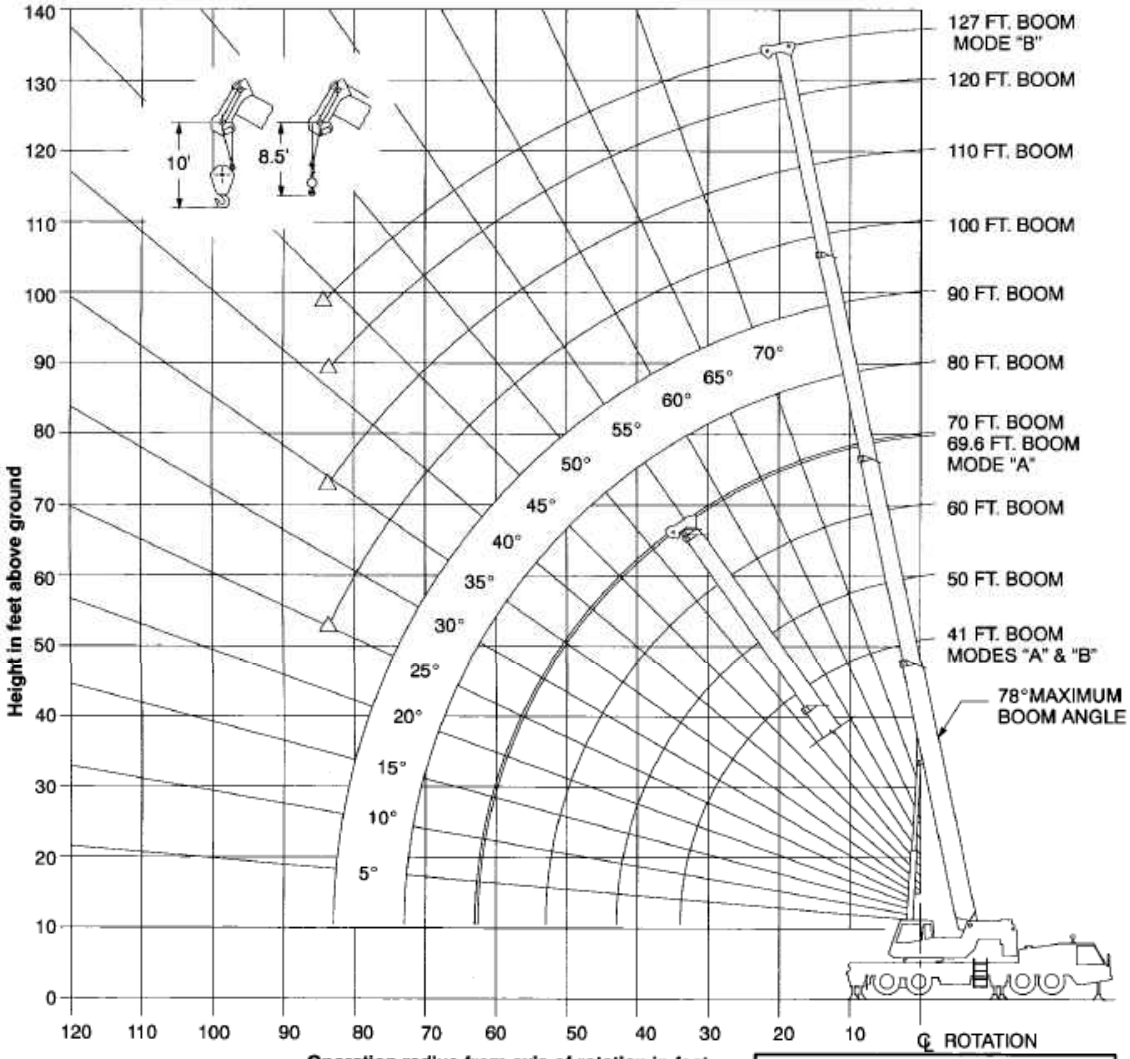
WORKING RANGE DIAGRAM



Fully Extended Outriggers



0# Counterweight



Crane Configurations Prohibited:
39.5 Ft. Offset Fly
67 Ft. Offset Fly

△ **Denotes Main Boom–Boom Mode "B"**

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.

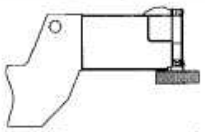
⚠ WARNING

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.

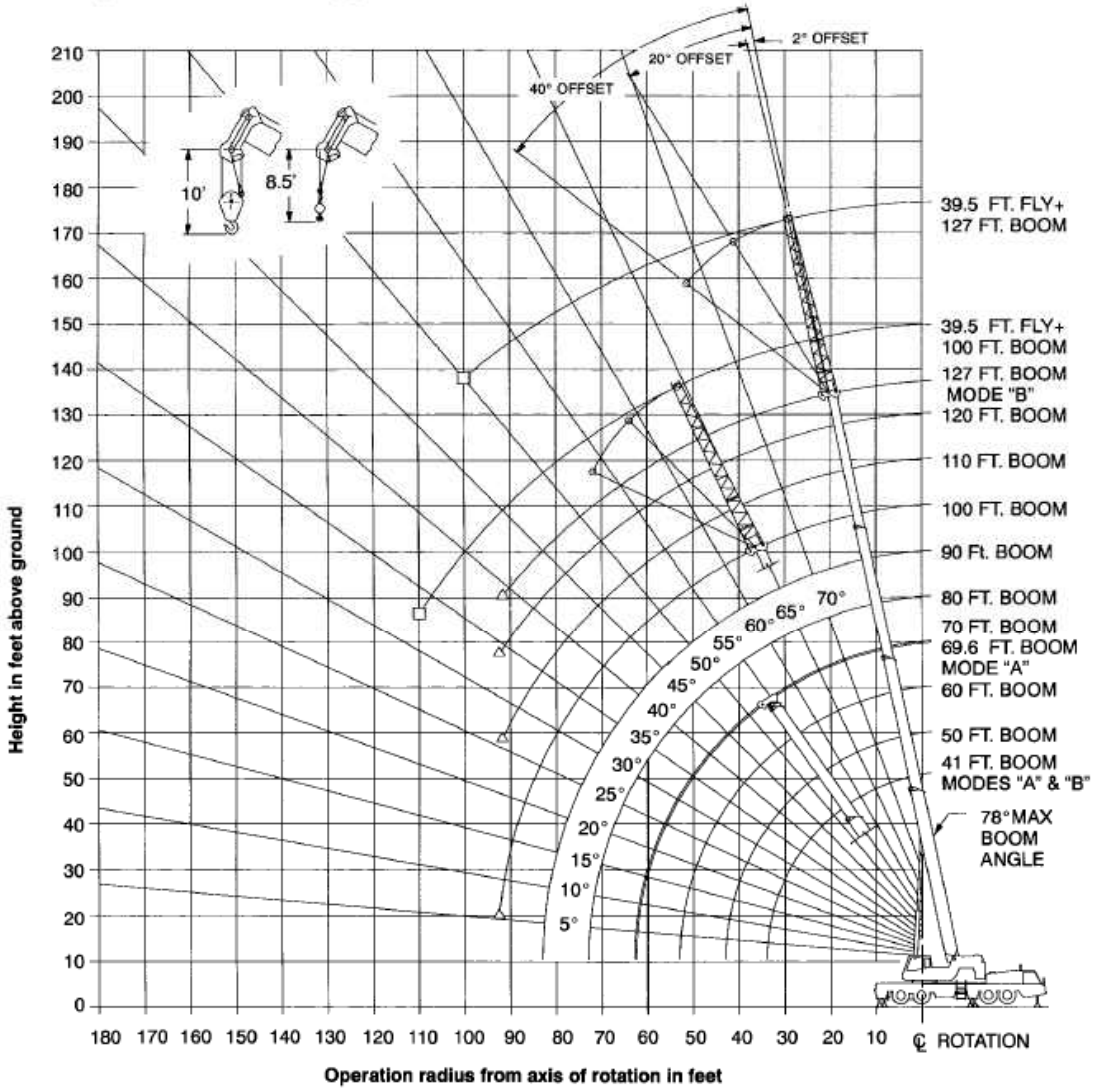
Link-Belt
CONSTRUCTION EQUIPMENT

WORKING RANGE DIAGRAM

Fully Extended Outriggers



4,000# Counterweight



Crane Configurations Prohibited:
67 Ft. Offset Fly

□ Denotes Main Boom + 39.5' Fly–Boom Mode "B"
△ Denotes Main Boom–Boom Mode "B"

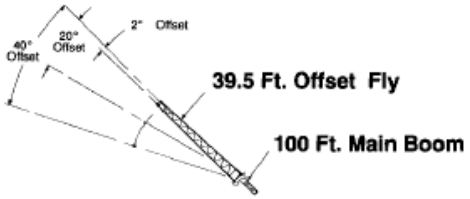
Note: Boom and fly geometry shown are for unloaded condition and crane standing level on firm supporting surface. Boom deflection, subsequent radius and boom angle change must be accounted for when applying load to hook.

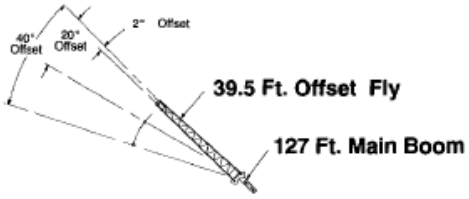
⚠ WARNING

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.

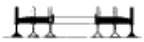
Link-Belt
CONSTRUCTION EQUIPMENT

Fully Extended Outriggers - Fly Capacities - Boom Mode "B" - 4,000 lb. Counterweight





Rated Lifting Capacities In Pounds On Fully Extended Outriggers See Set Up Note 2.



Load Radius (Ft.)	2° Offset ∠°	2° Offset 360°	20° Offset ∠°	20° Offset 360°	40° Offset ∠°	40° Offset 360°	Load Radius (Ft.)
30	77.0	13,900					30
35	75.0	13,400					35
40	73.0	12,800					40
45	71.0	12,200	76.0	9,400			45
50	69.0	11,700	74.0	8,900			50
55	67.0	11,100	71.5	8,500	76.0	6,600	55
60	64.5	10,600	69.5	8,100	73.5	6,400	60
65	62.5	10,100	67.0	7,800	71.0	6,300	65
70	59.5	9,700	64.5	7,400	68.5	6,100	70
75	57.0	7,500	62.0	7,200	66.0	6,000	75
80	54.5	6,400	59.5	6,900	63.5	5,800	80
85	51.5	5,500	57.0	6,300	60.5	5,700	85
90	48.5	4,700	54.0	5,400	57.5	5,600	90
95	45.5	4,000	51.0	4,600	54.5	5,100	95
100	42.5	3,400	47.5	3,900	51.0	4,300	100
105	39.0	2,800	44.0	3,300	47.0	3,600	105
110	35.5	2,300	40.0	2,700	42.5	2,900	110
115			36.0	2,200	37.5	2,300	115

⚠ WARNING
Do Not Lower 39.5 Ft. Offset Fly In Working Position Below 33.0 Degrees Main Boom Angle Unless Main Boom Length Is 84 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

Note: Refer To Page 5 For "Capacity Deductions For Auxiliary Load Handling Equipment".
∠ Loaded Boom Angle In Degrees.

Rated Lifting Capacities In Pounds On Fully Extended Outriggers See Set Up Note 2.

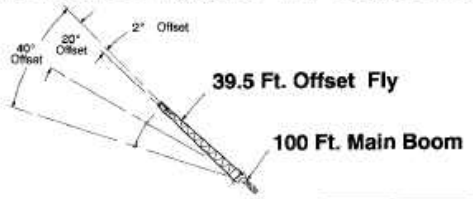
Load Radius (Ft.)	2° Offset ∠°	2° Offset 360°	20° Offset ∠°	20° Offset 360°	40° Offset ∠°	40° Offset 360°	Load Radius (Ft.)
35	78.0*	8,300					35
40	76.5	8,300					40
45	75.0	8,300					45
50	73.5	8,300	78.0*	8,200			50
55	71.5	8,300	76.0	8,000			55
60	70.0	8,300	74.5	7,800			60
65	68.5	8,300	72.5	7,600	76.0	6,200	65
70	66.5	8,300	71.0	7,400	74.5	6,100	70
75	64.5	7,100	69.0	7,200	72.5	6,000	75
80	62.5	6,000	67.0	7,000	70.5	5,800	80
85	60.0	5,100	65.0	6,000	68.5	5,700	85
90	58.0	4,300	62.5	5,200	66.5	5,700	90
95	55.5	3,600	60.5	4,400	64.0	5,000	95
100	53.5	3,000	58.0	3,700	61.5	4,200	100
105	51.0	2,400	55.5	3,100	58.5	3,600	105
110			53.0	2,500	56.0	2,900	110
115					53.0	2,400	115

⚠ WARNING
Do Not Lower 39.5 Ft. Offset Fly In Working Position Below 50 Degrees Main Boom Angle Unless Main Boom Length Is 84 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

Note: Refer To Page 5 For "Capacity Deductions For Auxiliary Load Handling Equipment".
∠ Loaded Boom Angle In Degrees.
* This capacity based on maximum obtainable boom angle.

Link-Belt CONSTRUCTION EQUIPMENT

Fully Extended Outriggers - Fly Capacities - Boom Mode "B" - 16,000 lb. Counterweight



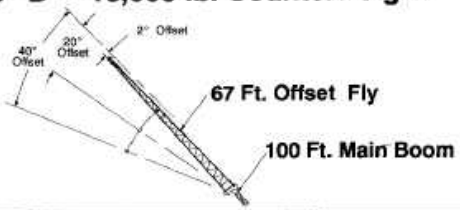
Rated Lifting Capacities In Pounds
On Fully Extended Outriggers
See Set Up Note 2.

FULL — 16,000#

Load Radius (Ft.)	2° Offset ∠°	2° Offset 360°	20° Offset ∠°	20° Offset 360°	40° Offset ∠°	40° Offset 360°	Load Radius (Ft.)
30	77.0	13,900					30
35	75.0	13,400					35
40	73.0	12,900					40
45	71.0	12,200	76.0	9,400			45
50	69.0	11,700	74.0	8,900			50
55	67.0	11,100	71.5	8,500	76.0	6,600	55
60	64.5	10,600	69.5	8,100	73.5	6,400	60
65	62.5	10,100	67.0	7,800	71.0	6,300	65
70	60.0	9,700	64.5	7,400	68.5	6,100	70
75	57.5	9,200	62.0	7,200	66.0	6,000	75
80	55.0	8,700	59.5	6,900	63.5	5,900	80
85	52.5	8,300	57.0	6,600	60.5	5,700	85
90	49.5	7,900	54.0	6,400	57.5	5,600	90
95	46.5	7,000	51.5	6,200	54.5	5,500	95
100	43.5	6,200	48.0	6,000	51.5	5,500	100
105	40.0	5,500	45.0	5,900	47.5	5,400	105
110	36.0	4,800	41.0	5,300	43.5	5,400	110
115	32.0	4,300	37.0	4,600	38.5	4,800	115
120	27.5	3,800	32.0	4,000			120
125	22.0	3,300	26.0	3,500			125
130	14.0	2,900					130
Min.Boom Ang/Cap.	0	600	0	600	0	700	Min.Boom Ang/Cap.

Note: Refer To Page 5 For "Capacity Deductions For Auxiliary Load Handling Equipment".

∠° Loaded Boom Angle In Degrees.



Rated Lifting Capacities In Pounds
On Fully Extended Outriggers
See Set Up Note 2.

FULL — 16,000#

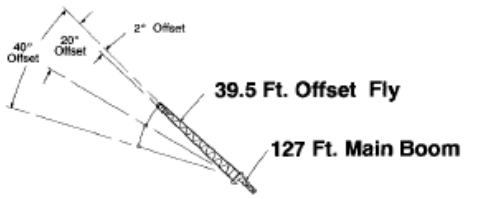
Load Radius (Ft.)	2° Offset ∠°	2° Offset 360°	20° Offset ∠°	20° Offset 360°	40° Offset ∠°	40° Offset 360°	Load Radius (Ft.)
40	77.0	5,300					40
45	75.5	7,900					45
50	73.5	7,500					50
55	72.0	7,100					55
60	70.0	6,800	77.0	4,700			60
65	68.5	6,200	75.5	4,500			65
70	66.5	5,900	73.5	4,200			70
75	64.5	5,500	71.5	4,000			75
80	62.5	5,200	69.5	3,900	76.0	3,000	80
85	60.5	4,900	67.5	3,700	74.0	3,000	85
90	58.5	4,800	65.5	3,500	72.0	2,900	90
95	56.5	4,400	63.5	3,400	69.5	2,800	95
100	54.5	4,200	61.5	3,300	67.5	2,700	100
105	52.0	3,900	59.0	3,200	65.0	2,700	105
110	50.0	3,900	57.0	3,100	62.5	2,600	110
115	47.5	3,800	54.5	3,000	60.0	2,600	115
120	45.0	3,400	52.0	2,900	57.0	2,500	120
125	42.5	3,300	49.0	2,800	54.0	2,500	125
130	39.5	3,100	46.5	2,700	50.5	2,500	130
135	36.5	3,000	43.0	2,600	47.0	2,500	135
140	33.0	2,800	39.5	2,600	42.5	2,500	140
145	29.0	2,400	35.5	2,600			145
150	24.5	2,100	31.0	2,400			150
155	19.0	1,800	24.0	2,000			155

WARNING

Do Not Lower 67 Ft. Offset Fly In Working Position Below 16 Degrees Main Boom Angle Unless Main Boom Length Is 99 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

Note: Refer To Page 5 For "Capacity Deductions For Auxiliary Load Handling Equipment".

∠° Loaded Boom Angle In Degrees.



Rated Lifting Capacities In Pounds
On Fully Extended Outriggers
See Set Up Note 2.

FULL — 16,000#

Load Radius (Ft.)	2° Offset ∠°	2° Offset 360°	20° Offset ∠°	20° Offset 360°	40° Offset ∠°	40° Offset 360°	Load Radius (Ft.)
35	78.0*	8,300					35
40	76.5	8,300					40
45	75.0	8,300					45
50	73.5	8,300	78.0*	8,200			50
55	71.5	8,300	76.0	8,000			55
60	70.0	8,300	74.5	7,800			60
65	68.5	8,300	72.5	7,600	76.0	6,200	65
70	67.0	8,300	71.0	7,400	74.5	6,100	70
75	65.0	7,800	69.0	7,200	72.5	6,000	75
80	63.0	7,100	67.0	7,000	70.5	5,800	80
85	60.5	6,800	65.5	6,800	68.5	5,700	85
90	58.5	6,000	63.0	6,300	66.5	5,700	90
95	56.5	5,600	61.0	5,900	64.0	5,600	95
100	54.5	5,100	58.5	5,300	62.0	5,500	100
105	52.0	4,700	56.5	4,900	59.5	5,100	105
110	49.5	4,300	54.0	4,500	57.0	4,700	110
115	47.0	3,900	51.5	4,200	54.0	4,300	115
120	44.5	3,400	48.5	3,800	51.5	4,000	120
125	41.5	2,900	45.5	3,300	48.0	3,600	125
130	38.5	2,500	42.5	2,900	44.5	3,100	130
135			39.0	2,400	41.0	2,600	135
140			35.5	2,000			140

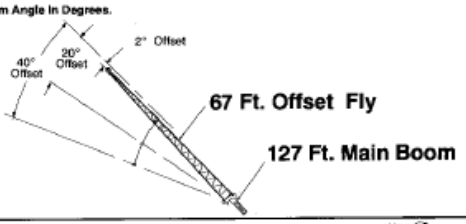
WARNING

Do Not Lower 39.5 Ft. Offset Fly In Working Position Below 34.5 Degrees Main Boom Angle Unless Main Boom Length Is 106 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

Note: Refer To Page 5 For "Capacity Deductions For Auxiliary Load Handling Equipment".

∠° Loaded Boom Angle In Degrees.

* This capacity based on maximum obtainable boom angle.



Rated Lifting Capacities In Pounds
On Fully Extended Outriggers
See Set Up Note 2.

FULL — 16,000#

Load Radius (Ft.)	2° Offset ∠°	2° Offset 360°	20° Offset ∠°	20° Offset 360°	40° Offset ∠°	40° Offset 360°	Load Radius (Ft.)
50	76.5	5,500					50
55	75.5	5,500					55
60	74.0	5,500					60
65	73.0	5,500					65
70	71.5	5,500	77.5	4,200			70
75	70.0	5,300	76.0	4,000			75
80	68.5	5,100	74.5	3,900			80
85	67.0	4,900	73.0	3,800			85
90	65.5	4,800	71.5	3,600	77.0	2,900	90
95	64.0	4,600	70.0	3,500	75.0	2,800	95
100	62.0	4,300	68.0	3,400	73.5	2,800	100
105	60.5	3,900	66.5	3,300	71.5	2,700	105
110	58.5	3,600	64.5	3,200	70.0	2,600	110
115	56.5	3,200	63.0	3,100	68.0	2,600	115
120	54.5	2,900	61.0	3,000	66.0	2,600	120
125	52.5	2,700	59.0	2,900	64.0	2,500	125
130	50.5	2,400	57.0	2,600	61.5	2,500	130
135	48.5	2,200	54.5	2,300	59.5	2,500	135
140			52.5	2,100	57.0	2,300	140
145			50.0	1,900	54.5	2,000	145
150			47.5	1,700	51.5	1,800	150
155					48.5	1,600	155

WARNING

Do Not Lower 67 Ft. Offset Fly In Working Position Below 46 Degrees Main Boom Angle Unless Main Boom Length Is 99 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

Note: Refer To Page 5 For "Capacity Deductions For Auxiliary Load Handling Equipment".

∠° Loaded Boom Angle In Degrees.