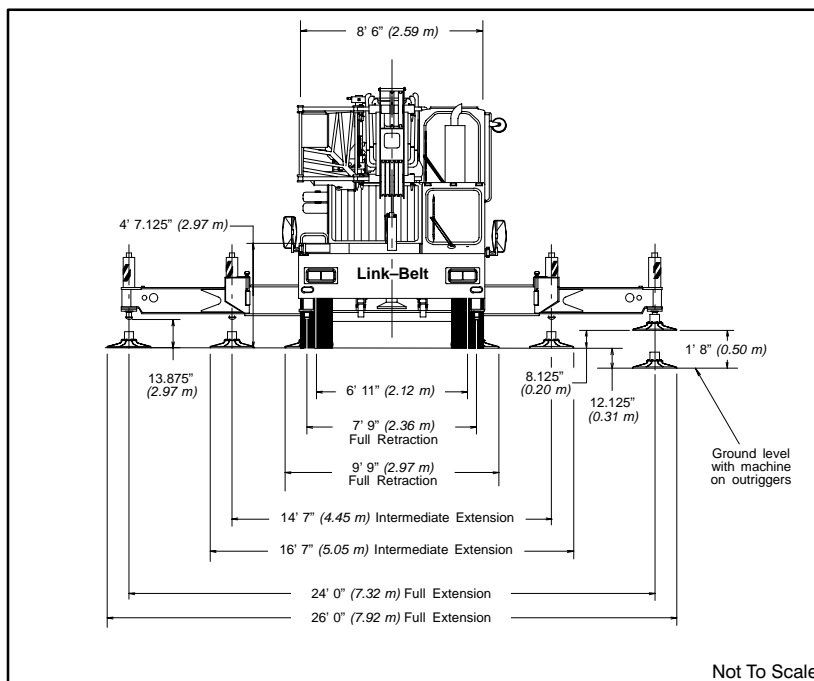
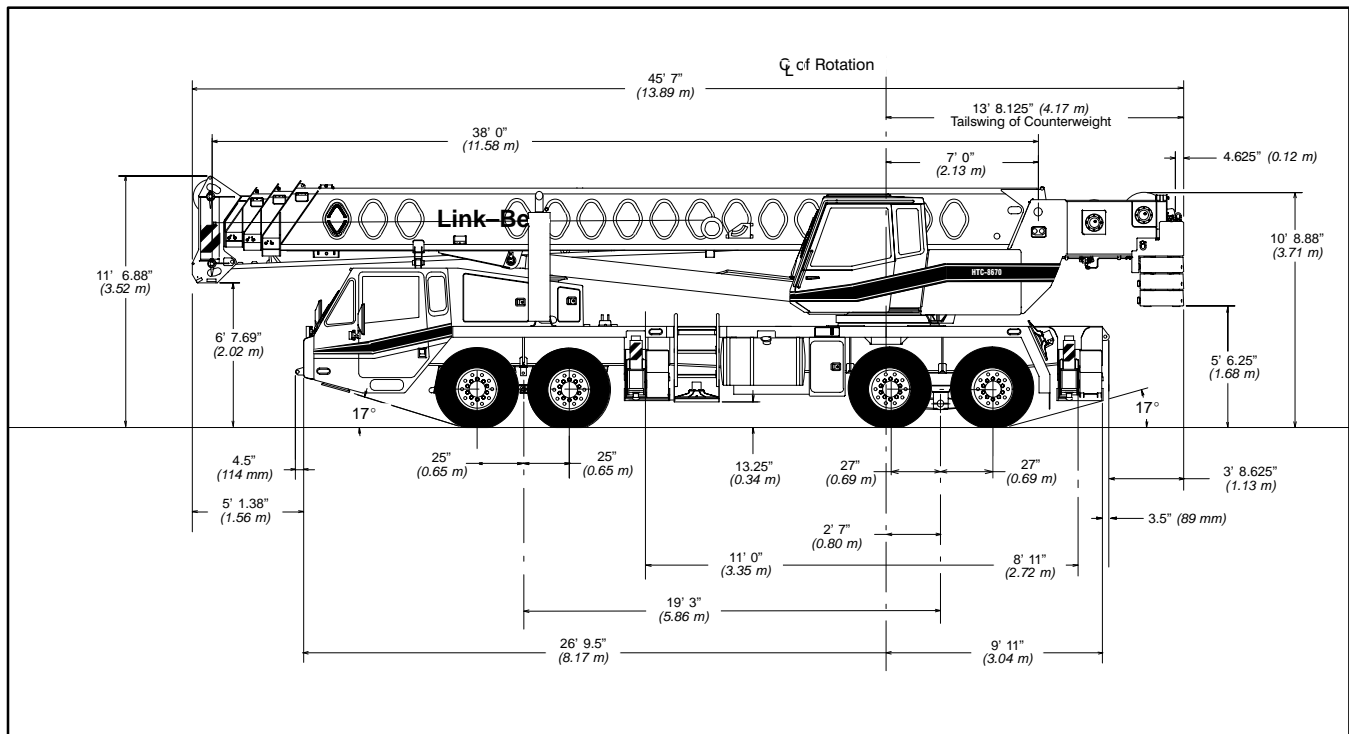


Specifications

Telescopic Boom Truck Crane

HTC-8670

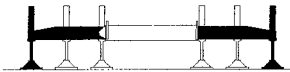
70-ton (63.5 metric tons)



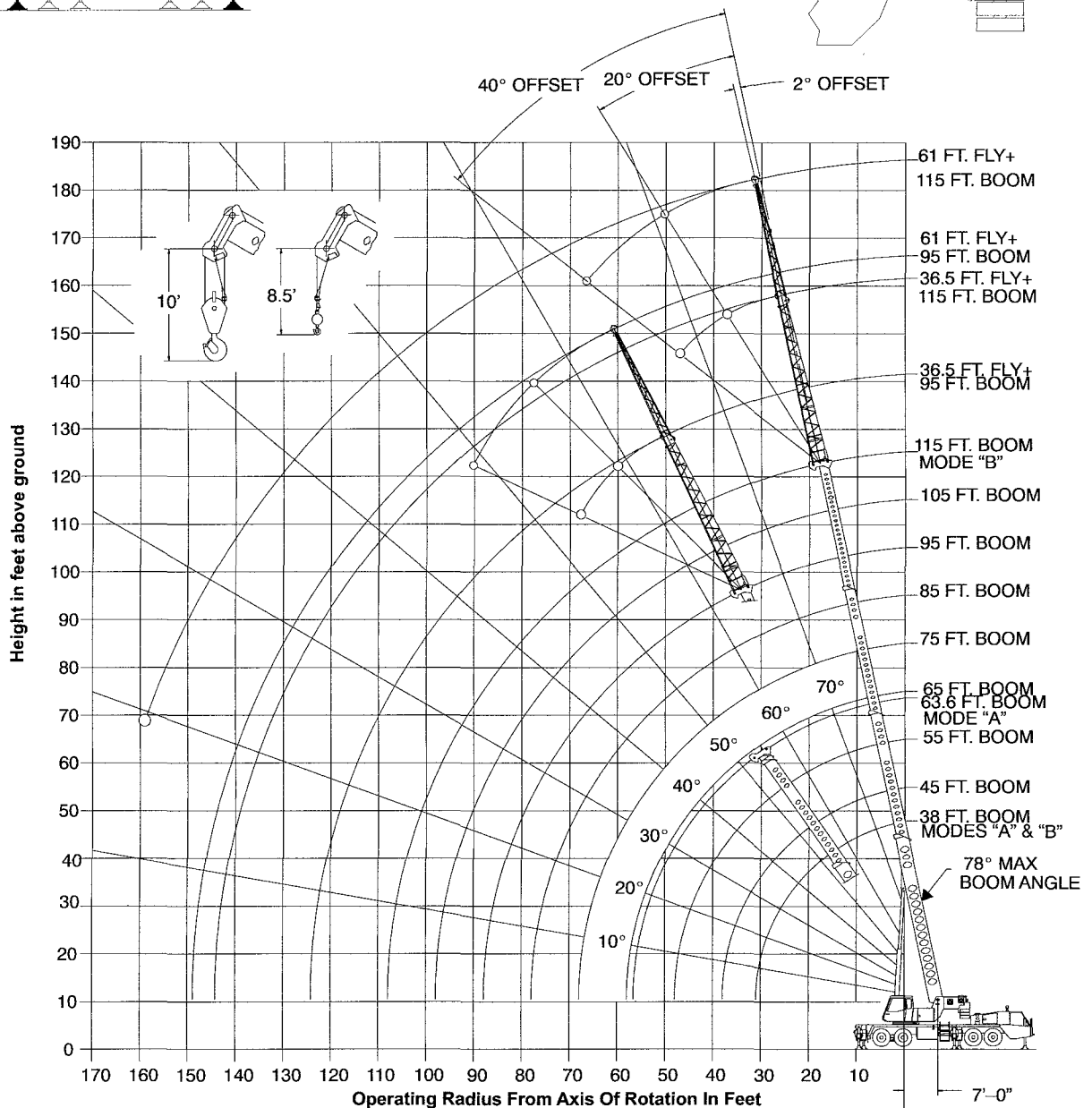
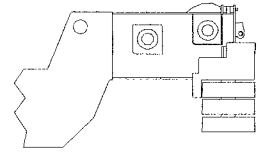
General Dimensions	feet	meters
Turning radius (wall to wall)	49' 1.5"	14.97
Turning radius (curb to curb)	41' 10.5"	12.76
Ground clearance	13.25"	0.34
Tailswing	13' 8.125"	4.17

WORKING RANGE DIAGRAM

Working Range Diagram On Fully Extended Outriggers



16,000# Counterweight



○ Denotes Main Boom + 61' Fly—Boom Mode "B"

⊙ OF ROTATION

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 As Shown In The Lift Charts For The Boom Lengths Given. Loss Of Stability Will Occur Causing A Tipping Condition.

Upper Structure

■ Boom

Patented Design

- Boom side plates have diamond shaped impressions for superior strength to weight ratio and 100,000 p.s.i. (689.5 MPa) steel angle chords for lateral stiffness.
- Boom telescope sections are supported by top, bottom and adjustable side wear shoes to prevent metal to metal contact.

Boom

- 38 – 115' (11.58 – 35.05 m) four-section full power boom.
- Two mode boom extension
- The basic mode is the full power, synchronized mode of telescoping all sections proportionally to 115' (35.05 m).
- The exclusive "A-max" mode (or mode 'A') extends only the inner mid section to 63' 6" (19.39 m) offering increased capacities for in-close, maximum capacity picks.

Boom Head

- Five 16–1/2" (0.42 m) root diameter nylon sheaves with a fifth nylon sheave available to handle up to 10 parts of wire rope.
- Easily removable wire rope guards
- Rope dead end lugs provided on each side of boom head.
- Boom head designed for quick reeve of hook block.
- Fly pinning alignment tool.

Boom Elevation

- One Link-Belt designed hydraulic cylinder with holding valve and bushing in each end.
- Hand control for controlling boom elevation from –3° to +78°.

Optional Auxiliary Lifting Sheave

- Single 16–1/2" (0.42 m) root diameter nylon sheave with removable wire rope guard, mounted to boom.
- Use with one or two parts of line off the optional front winch.
- Does not affect erection of fly or use of main head sheaves for multiple reeving.

Optional

- 70-ton (63.5 mt) quick reeve hook block.
- 8–1/2 ton (7.7 mt) hook ball.
- Boom floodlight.
- Mechanical Boom Angle Indicator

■ Fly

Optional

- 36' 6" (11.13 m) One piece lattice fly, stowable, offsettable to 2°, 20° and 40°.
- Lugs to allow for second section.
- 36' 6" – 61' (11.13 – 18.59 m) Two piece (bifold) lattice fly, stowable, offsettable to 2°, 20° or 40°.

■ Cab and Controls

Environmental Ultra-Cab™

- Laminated fibrous composite material; isolated from sound with acoustical fabric insulation.

- Windows are tinted and tempered safety glass.
- Sliding rear and right side windows and swing-up roof window for maximum visibility and ventilation.
- Slide-by-door opens to 3' (0.91 m) width.
- Six-way adjustable seat, with seat belt, for maximum operator comfort.
- Hand-held outrigger controls and sight level bubble located on left side of cab.
- Diesel cab heater
- Pull-out Cabwalk™
- Audible swing alarm
- Backup alarm
- Fire extinguisher
- 12-volt accessory outlet
- Electric windshield wiper
- Windshield washer
- Top hatch window wiper
- Circulating fan
- Warning horn
- Dome light
- Cup holder
- Sun screen
- Hand throttle
- Mirrors
- Defroster fan

Optional

- Amber strobe light
- Emergency steering system
- Amber rotating beacon
- Hydraulic heater
- Air conditioning

Controls

Hydraulic controls (joystick type) for:

- Swing
- Main winch
- Optional auxiliary winch
- Boom hoist

Foot controls for:

- Boom telescope
- Swing brake
- Engine throttle

Optional

- Single axis controls
- Auxiliary winch

Cab Instrumentation

Cornerpost-mounted gauges for:

- Hydraulic oil temperature
- Audio/Visual warning system
- Tachometer
- Oil pressure
- Voltmeter
- Fuel
- Water temperature

■ Rated Capacity Limiter

- **Microguard 434** Graphic audio-visual warning system built into dash with anti-two block and function limiters.

Operating data available includes:

- Machine configuration.
- Boom length
- Boom angle
- Head height
- Radius of load
- Allowed load
- Actual load
- % of allowed load

Presetable alarms include:

- Maximum and minimum boom angles.
- Maximum tip height.
- Maximum boom length.
- Swing left/right positions.
- Operator defined area alarm is standard.
- Anti-two block weight designed for quick reeve of hookblock.

Optional

- **Internal RCL light bar:** Visually informs operator when crane is approaching maximum load capacity 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 pre-settable alarms with a series of three lights; green, yellow and red.

■ Swing

Bi-directional hydraulic swing motor mounted to a planetary reducer for 360° continuous smooth swing at 1.7 r.p.m.

- **Swing park brake** – 360°, electric over hydraulic (spring applied, hydraulic released) multi-disc brake mounted on the speed reducer. Operated by toggle switch in overhead control console.
- **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.
- **Counterweight**
 - Standard – Pinned to upper structure frame. 12,000 lbs. (5 443 kg) three-piece design (4,000 lbs. each).
 - Optional – 16,000 lbs. (7 258 kg) five piece design. (Dolly required for five piece arrangement).
- Hydraulically controlled counterweight removal, standard. Counterweight sections may be lowered on and pinned to carrier deck to balance axle loadings for travel.

Optional

- 360° (Pawl-in-Gear) swing lock. Meets New York City requirements.

■ Hydraulic System

Main Pump

- Two gear pump with a total of five sections.
- Combined pump capacity of 152 gpm (575 lpm). Powered by carrier engine with pump disconnect.
- Spline type pump disconnect, engaged / disengaged from carrier cab.
- Maximum system operating pressure is 3,500 psi (24 133 kPa).

Pilot Pressure / Counterweight Removal Pump

- Pressure compensated piston pump powered by carrier engine with pump disconnect. Operates at 1,500 psi (10 343 kPa) maximum.

Steering / Fifth Outrigger Pump

- Single gear type pump, 8 gpm (30 lpm). Powered by carrier engine through front gear housing. Max. pump operating pressure is 2,000 psi (13 790 kPa).
- Reservoir – 169 gallon (639.7 L) capacity. One diffuser for deaeration.

(continued on next page)

(continued from page 2)

Filtration

- One, 10-micron filter located inside hydraulic reservoir
- Accessible for easy replacement

Control valves

- Six separate pilot operated control valves allow simultaneous operation of all crane functions.

■ Load Hoist System

Standard

- 2M main winch with grooved lagging.
- Two-speed motor and automatic brake.

- Power up/down mode of operation.
- Hoist drum cable followers.
- Bi-directional piston-type hydraulic motor driven through planetary reduction unit for positive control under all load conditions.
- Asynchronous parallel double crossover grooved drums minimize rope harmonic motion.
- Winch circuit control provides balanced oil flow to both winches for smooth, simultaneous operation.
- Rotation resistant wire rope.
- Drum Rotation Indicators.

Line Pulls and Speeds

- Maximum available line pull 16,506 lbs. (7 484 kg) and maximum line speed of 513 f.p.m. (156 m/min) on 16" (0.41 m) root diameter grooved drum.

Optional

- 2M auxiliary winch with two-speed motor, automatic brake, and winch function lock-out. Power up/down modes.
- Hoist drum cable followers.
- Third wrap indicators.

Carrier

■ Type

- 8' 6" (2.59 m) wide, 231" (5.87 m) wheel-base. 8 x 4 drive – standard

Frame

- 100,000 p.s.i. (689.5 MPa) steel, double walled construction with integral 100,000 p.s.i. steel outrigger boxes

Optional

- Carrier mounted storage boxes
- Pintle hook
- Electric and air connections for trailers and boom dollies

■ Axles

Front

- Tandem, 84.38" (2.14 m) track.

Rear

- Tandem, 72.8" (1.85 m) track. 6.17 to 1.0 ratio with interaxle differential with lockout.

■ Suspension

Front axle

- Leaf spring suspension

Rear axle

- Solid mount, bogie beam type

■ Wheels

Standard

- Front and rear hub piloted aluminum disc

Optional

- Spare tire and wheel assemblies

■ Tires

Standard Front

- 445/65R22.5 (Load range "L") single tubeless radials

Standard Rear

- 12R22.5 (Load range "L") dual tubeless radials

■ Brakes

Service

- Full air brakes on all wheel ends with automatic slack adjusters. Dual circuit with modulated emergency brakes.
 - Front – 16.5 x 6 S-Cam brakes.
 - Rear – 16.5 x 7 S-Cam brakes.

Parking/Emergency

- One spring set, air released chamber per rear axle end.
- Parking brake applied with valve mounted on carrier dash.
- Emergency brakes apply automatically when air drops below 40 psi (275.8 kPa) in both systems.

■ Steering

- Sheppard rack and pinion design.

■ Transmission

Standard – Eaton RTO–14709MLL; 11 speeds forward, 3 reverse.

■ Electrical

- Four, 12-volt batteries provide 12-volt starting.
- 2,800 cold cranking amps available.
- 12-volt operating system, 130-amp alternator.

Lights

- Four dual beam sealed headlights.
- Front, side, and rear directional signals.
- Stop, tail and license plate lights.
- Rear and side clearance lights.
- Hazard warning lights.

■ Outriggers

- Three position operation capability.
- Four hydraulic, telescoping beam and jack outriggers.
- Vertical jack cylinders equipped with integral holding valve.
- Beams extend to 24' (7.32 m) centerline-to-centerline and retract to within 8' 6" (2.59 m) overall width.
- Equipped with stowable, lightweight 24" (0.61 m) diameter aluminum floats.
- Standard fifth outrigger, 14 3/4" (0.37 m) self storing steel pad is operable from ground or operator's cab.
- Hand-held controls and sight level bubble located on carrier deck.

Confined Area Lifting Capacities (CALC™) System

- The crane is operational in one of the three outriggers positions and operational in confined areas in two positions (intermediate and full retraction).

The three outrigger positions are:

- Full extension – 24' 0" (7.32 m).
- Intermediate position – 14' 7" (4.45 m).
- Full retraction – 7' 9" (2.36 m).
- Capacities are available with the outrigger beams in the intermediate and full retraction 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 having to leave the cab.

■ Carrier Cab

- One-man cab of laminated fibrous composite material acoustical insulation with cloth covering.

Equipped with:

- Air-ride adjustable operator's seat with seat belt.
- Tilting and locking steering wheel.
- Door and windows locks.
- Left-hand and right-hand rear view mirrors.
- Sliding right-hand and rear tinted windows.
- Roll up/down left-hand tinted window.
- Desiccant-type air dryer.
- Steps to upper, lower cab and rear carrier.
- 120-volt electric engine block heater.
- Back-up warning alarm.
- Tow hooks and shackles.
- Aluminum fenders and mud flaps.
- Carrier mounted outrigger controls with throttle control.
- Electric windshield wiper and washer.
- Rotating beacon
- Horn
- Fire extinguisher
- 36,000 BTU heater
- Dome light
- High beam light switch
- Travel lights
- Mud flaps
- Ashtray
- Defroster
- Cruise control

Cab instrumentation

- Illuminated instrument panel speedometer.
- Tachometer
- Fuel gauge
- Oil pressure gauge
- Turn signal indicator
- Water temperature gauge.
- Front and rear air pressure gauges.
- Audio/visual warning system.
- Check engine and stop engine lights.
- Automotive type ignition.
- Optional – Amber strobe light.
- Optional – Air conditioning
- Hourmeter
- Fuses
- Odometer
- Voltmeter

Carrier Speeds *(Manual Transmission – Standard tires)*

Gear	High				Low					Deep reduction		Hi rev.	Lo rev.	Deep reduction	Deep reduction @ 600 rpm	Deep reduction @ 600 rpm
	8	7	6	5	4	3	2	1	Low	LL2	LL1	Rev.	Rev.	Rev.	LL1	Low
Ratio	0.73	1.00	1.38	1.95	2.77	3.79	5.23	7.41	16.30	11.85	26.08	4.15	15.76	25.21	26.08	25.21
Speed	mph	58.20	42.49	30.79	21.79	15.34	11.21	8.12	5.73	2.61	3.59	10.24	2.70	1.69	0.47	0.48
	km/hr.	93.65	68.36	49.54	35.06	24.68	18.04	13.07	9.23	4.19	5.77	16.47	4.34	2.71	0.75	0.72

Engine

Engine	Detroit Diesel Series 60 12.7 L
Cylinders – cycle	6 / 4
Bore	5.12" (0.13 m)
Stroke	6.30" (0.16 m)
Displacement	778 cu. in. (12 751 cm ³)
Maximum brake hp.	365 @ 1,800 rpm; 350 @ 2,100 rpm
Peak torque	1,350 ft. lbs. (1 831 J) @ 1,200 rpm
Electric system	12-volt neg. ground / 12 volt starting
Fuel capacity	100 gallons (378.5 L)
Alternator	12 volt, 130 amps
Crankcase capacity	32 qts. (30 L)
<ul style="list-style-type: none"> Engine brake – standard Ether injection starting package – optional 	

Axle Loads

Base machine with standard 38.5' – 115' (11.73 – 35.05 m) four-section boom, 2M main winch with 2-speed hoisting and power up/down, 630' (192.02 m), 3/4" (19 mm) wire rope, 8 x 4, 8.5' (2.59 m) carrier with Detroit Diesel Series 60 engine, 100 gal. (378 L) fuel and no counterweight.	G.V.W. ^①		Upper Facing Front			
			Front Axle		Rear Axle	
	lbs.	kg.	lbs.	kg.	lbs.	kg.
	76,118	34 527	34,542	15 668	41,576	18 859
Cold weather starting aids – propane and ether	40	18	57	26	–17	–8
Aluminum storage box	57	26	16	7	41	19
Driver in carrier cab	200	91	254	185	–54	–24
Pintle hook w/air and electrical hook-ups	30	14	–12	–5	42	19
Air conditioning in carrier cab	100	45	127	57	–27	–12
Auxiliary winch with 630' (192.02 m) front rope	855	388	–282	–128	1,137	516
Hydraulic heater	170	77	1	0.5	169	77
Air conditioning in upper cab	120	54	–4	–2	124	56
One slab of counterweight on upper	4,000	1 814	–2,140	–971	6,140	2 785
Two slabs of counterweight on upper	8,000	3 628	–4,281	–1 942	12,281	5 571
Three slabs of counterweight on upper	12,000	5 443	–6,421	–2 913	18,421	8 356
Three slabs of counterweight on upper plus two cheek weights	16,000	7 257	–8,561	–3 883	24,561	11 140
Fly brackets on boom base section for fly options	160	72	147	68	11	5
36.5' (11.13 m) offsettable fly with tip lugs – stowed	1,542	700	1,349	612	193	88
36.5' to 61 ft. (11.13 – 18.59 m) two-piece fly – stowed	2,248	1 020	1,711	776	537	244
40-ton (36.3 mt) hookblock at front bumper	720	327	1,175	533	–455	–206
70-ton (63.5 mt) hookblock at front bumper	1,400	635	2,284	1 036	–884	–401
Hookball to front bumper	360	163	587	266	–227	–103
Auxiliary arm	125	57	230	104	–105	–48

	Front axle		Rear axle	
Transfer one slab of counterweight to carrier deck	5,333	2 419	–5,333	–2 419
Transfer two slabs of counterweight to carrier deck	10,666	4 828	–10,666	–4 838
Transfer three slabs of counterweight to carrier deck	15,999	7 257	–15,999	–7 257

^① Adjust gross vehicle weight & axle loading according to component weight. Note: All weights are ± 3%.

Axle	Max. Load @ 65 mph. (105 km/h)
Front	46,400 lbs. (21 047 kg) – Aluminum disc wheels with 445/65R22.5 tires
Rear	50,350 lbs. (22 838 kg) – Aluminum disc wheels with 12R22.5 tires

Link-Belt Construction Equipment Company

Lexington, Kentucky

www.linkbelt.com

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Fully Extended Outriggers - Main Boom Capacities - 16,000 lb. Counterweight

Maximum Allowable Lifting Capacities Rated Lifting Capacities in Pounds On Fully Extended Outriggers See Set Up Note 2.							
16,000# COUNTERWEIGHT							
38 Ft. To 45 Ft. Main Boom							
Load Radius In Feet	38 Ft.			45 Ft.			Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	
9	69.0	140,000	140,000				9
10	67.0	132,000	132,000	71.0	87,400	87,400	10
12	64.0	117,900	117,900	68.5	87,400	87,400	12
15	58.5	101,300	101,300	64.0	87,400	87,400	15
20	48.5	76,800	76,800	56.5	76,000	76,000	20
25	36.5	59,400	59,400	48.0	58,900	58,900	25
30	17.5	45,600	45,600	38.0	45,100	45,100	30
35				24.5	34,600	34,600	35
Min. Boom Angle/Cap.	0°	26,300	26,300	0°	21,100	21,100	Min. Boom Angle/Cap.

Maximum Allowable Lifting Capacities Rated Lifting Capacities in Pounds On Fully Extended Outriggers See Set Up Note 2.							
16,000# COUNTERWEIGHT							
55 Ft. To 63.6 Ft. Main Boom							
Load Radius In Feet	55 Ft.			63.6 Ft.			Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	
10	75.0	85,600	85,600				10
12	73.0	85,600	85,600	75.5	56,300	56,300	12
15	69.5	85,600	85,600	73.0	56,300	56,300	15
20	64.0	75,300	75,300	68.0	53,000	53,000	20
25	57.5	58,300	58,300	63.0	44,900	44,900	25
30	51.0	44,400	44,400	57.5	38,700	38,700	30
35	43.0	34,100	34,100	51.5	33,700	33,700	35
40	34.5	27,000	27,000	45.5	26,700	26,700	40
45	22.0	21,900	21,900	38.0	21,600	21,600	45
50				29.0	17,800	17,800	50
55				16.0	14,700	14,700	55
Min. Boom Angle/Cap.	0°	14,800	14,800	0°	11,000	11,000	Min. Boom Angle/Cap.

-1560# 61' Jib Stow + Ball wt

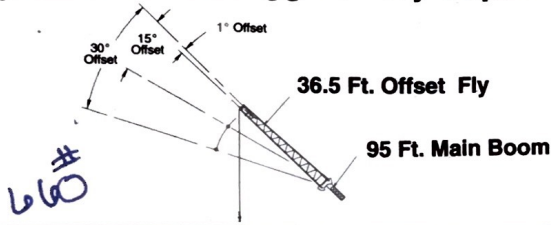
Maximum Allowable Lifting Capacities Rated Lifting Capacities in Pounds On Fully Extended Outriggers See Set Up Note 2.							
BOOM MODE "B" 16,000# COUNTERWEIGHT							
38 Ft. To 55 Ft. Main Boom							
Load Radius In Feet	38 Ft.			45 Ft.			Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	
9	69.0	140,000	140,000				9
10	67.0	132,000	132,000	71.0	42,000	42,000	10
12	64.0	117,900	117,900	68.0	42,000	42,000	12
15	58.5	101,300	101,300	64.0	42,000	42,000	15
20	48.5	76,800	76,800	56.5	42,000	42,000	20
25	36.5	59,400	59,400	48.0	42,000	42,000	25
30	17.5	45,600	45,600	38.0	42,000	42,000	30
35				24.5	35,700	35,700	35
40							40
45							45
Min. Boom Angle/Cap.	0°	26,300	26,300	0°	20,100	20,100	Min. Boom Angle/Cap.

Maximum Allowable Lifting Capacities Rated Lifting Capacities in Pounds On Fully Extended Outriggers See Set Up Note 2.							
BOOM MODE "B" 16,000# COUNTERWEIGHT							
95 Ft. To 115 Ft. Main Boom							
Load Radius In Feet	95 Ft.			105 Ft.			Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	
20	76.5	38,800	38,800				20
25	73.5	33,800	33,800	75.5	30,300	30,300	25
30	70.0	29,800	29,800	72.5	27,000	27,000	30
35	67.0	26,600	26,600	69.5	24,100	24,100	35
40	63.5	23,900	23,900	66.5	21,700	21,700	40
45	60.0	21,700	21,700	63.5	19,600	19,600	45
50	56.0	19,800	19,800	60.5	17,900	17,900	50
55	52.5	17,700	17,700	57.0	16,200	16,200	55
60	48.0	15,200	15,200	53.5	14,900	14,900	60
65	43.5	13,200	13,200	50.0	13,300	13,300	65
70	38.5	11,600	11,600	46.0	11,600	11,600	70
75	33.0	10,100	10,100	41.5	10,200	10,200	75
80	26.5	8,800	8,800	37.0	8,900	8,900	80
85	17.0	7,700	7,800	31.5	7,800	7,900	85
90				25.5	6,800	6,900	90
95				16.5	5,900	6,100	95
100							100
105							105
Min. Boom Angle/Cap.	0°	4,700	4,700	0°	3,500	3,500	Min. Boom Angle/Cap.

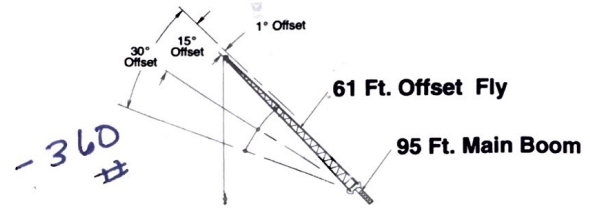
Maximum Allowable Lifting Capacities Rated Lifting Capacities in Pounds On Fully Extended Outriggers See Set Up Note 2.							
BOOM MODE "B" 16,000# COUNTERWEIGHT							
65 Ft. To 85 Ft. Main Boom							
Load Radius In Feet	65 Ft.			75 Ft.			Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	
12	75.5	42,000	42,000				12
15	73.0	42,000	42,000	75.5	42,000	42,000	15
20	68.0	42,000	42,000	71.5	42,000	42,000	20
25	63.5	42,000	42,000	68.0	42,000	42,000	25
30	58.0	42,000	42,000	63.5	42,000	42,000	30
35	52.5	36,600	36,600	59.0	36,800	36,800	35
40	46.5	29,400	29,400	54.0	29,600	29,600	40
45	39.5	24,300	24,300	49.0	24,500	24,500	45
50	31.5	20,300	20,300	43.0	20,600	20,600	50
55	20.0	17,200	17,200	37.0	17,500	17,500	55
60				29.5	15,000	15,000	60
65				19.0	12,900	12,900	65
70							70
75							75
Min. Boom Angle/Cap.	0°	10,700	10,700	0°	8,100	8,100	Min. Boom Angle/Cap.

NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.

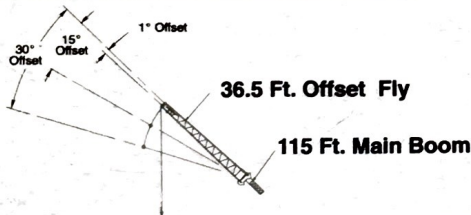
Fully Extended Outriggers - Fly Capacities - Boom Mode "B" - 16,000 lb. Counterweight



BOOM MODE "B" 16,000# COUNTERWEIGHT						
Maximum Allowable Lifting Capacities Rated Lifting Capacities in Pounds On Fully Extended Outriggers See Set Up Note 2.						
95 Ft. Main Boom + 36.5 Ft. Offset Fly						
Load Radius In Feet	1° Offset		15° Offset		30° Offset	
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°
30	76.5	16,900				30
35	74.0	15,700	77.5	11,900		35
40	72.0	14,600	75.5	11,300		40
45	70.0	13,700	73.5	10,700	77.0	45
50	67.5	12,800	71.0	10,300	74.5	50
55	65.0	12,100	68.5	9,800	72.0	55
60	62.5	11,400	66.0	9,400	69.5	60
65	60.0	10,800	63.5	8,900	67.0	65
70	57.5	10,300	61.0	8,500	64.5	70
75	55.0	9,800	58.5	8,100	61.5	75
80	52.0	9,300	55.5	7,800	58.5	80
85	49.0	8,800	52.5	7,400	55.5	85
90	46.0	8,100	49.5	7,200	52.5	90
95	42.5	7,200	46.0	6,900	49.0	95
100	39.0	6,500	42.5	6,700	45.0	100
105	35.0	5,800	38.5	6,000	41.0	105
110	30.5	5,100	34.0	5,400	36.0	110
115	25.0	4,600	28.5	4,800	30.0	115
120	18.5	4,100	21.5	4,200		120
Min. Boom Angle/Cap.		0°	1,700	0°	1,700	0°

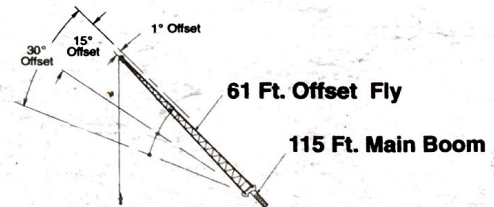


BOOM MODE "B" 16,000# COUNTERWEIGHT						
Maximum Allowable Lifting Capacities Rated Lifting Capacities in Pounds On Fully Extended Outriggers See Set Up Note 2.						
95 Ft. Main Boom + 61 Ft. Offset Fly						
Load Radius In Feet	1° Offset		15° Offset		30° Offset	
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°
35	77.5	9,500				35
40	75.5	9,500				40
45	74.0	9,000				45
50	72.0	8,400	77.0	6,200		50
55	70.0	7,800	75.5	5,900		55
60	68.0	7,300	73.5	5,600		60
65	66.0	6,800	71.5	5,300	76.5	65
70	64.0	6,300	69.5	5,000	74.5	70
75	62.0	6,000	67.0	4,800	72.0	75
80	60.0	5,600	65.0	4,600	70.0	80
85	58.0	5,300	63.0	4,400	68.0	85
90	55.5	5,000	60.5	4,200	65.5	90
95	53.5	4,800	58.5	4,000	63.0	95
100	51.0	4,500	56.0	3,900	60.5	100
105	48.5	4,300	53.5	3,700	58.0	105
110	45.5	4,100	50.5	3,600	55.0	110
115	43.0	3,900	48.0	3,500	52.0	115
120	40.0	3,700	45.0	3,300	49.0	120
125	36.5	3,600	41.5	3,200	45.5	125
130	33.0	3,400	38.0	3,200	41.5	130
135	29.0	3,300	34.0	3,100	37.0	135
140	24.5	3,000	29.0	3,000	31.0	140
145	18.0	2,700	22.0	2,800		145
Min. Boom Angle/Cap.		0°	700	0°	700	0°



BOOM MODE "B" 16,000# COUNTERWEIGHT						
Maximum Allowable Lifting Capacities Rated Lifting Capacities in Pounds On Fully Extended Outriggers See Set Up Note 2.						
115 Ft. Main Boom + 36.5 Ft. Offset Fly						
Load Radius In Feet	1° Offset		15° Offset		30° Offset	
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°
35	76.5	10,500				35
40	75.0	10,500				40
45	73.0	10,500	76.5	10,100		45
50	71.5	10,500	75.0	10,100	78.0*	50
55	69.5	10,500	73.0	10,100	76.0	55
60	67.5	10,500	71.0	10,100	74.0	60
65	66.0	10,300	69.0	9,700	71.5	65
70	63.5	9,500	67.0	9,300	69.5	70
75	61.5	8,700	65.0	8,900	67.5	75
80	59.0	8,100	62.5	8,200	65.0	80
85	57.0	7,400	60.0	7,600	63.0	85
90	54.5	6,900	57.5	7,000	60.5	90
95	52.0	6,400	55.0	6,500	58.0	95
100	49.0	5,900	52.5	6,000	55.5	100
105	46.5	5,500	49.5	5,600	52.5	105
110	43.5	4,900	47.0	5,200	49.5	110
115	40.5	4,300	43.5	4,600	46.0	115
120	37.0	3,800	40.0	4,100	42.5	120
125	33.0	3,300	36.5	3,600	38.5	125
130	29.0	2,900	32.0	3,100	33.5	130
135	24.0	2,500	27.0	2,700	28.0	135
140	17.5	2,200	20.5	2,300		140
Min. Boom Angle/Cap.		0°	400	0°	500	0°

* This capacity based on maximum obtainable boom angle.



BOOM MODE "B" 16,000# COUNTERWEIGHT						
Maximum Allowable Lifting Capacities Rated Lifting Capacities in Pounds On Fully Extended Outriggers See Set Up Note 2.						
115 Ft. Main Boom + 61 Ft. Offset Fly						
Load Radius In Feet	1° Offset		15° Offset		30° Offset	
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°
40	77.5	7,100				40
45	76.0	7,100				45
50	74.5	7,100				50
55	73.0	7,100				55
60	71.5	7,100	76.5	6,000		60
65	70.0	7,100	75.0	5,700		65
70	68.5	7,100	73.0	5,400	77.5	70
75	67.0	6,700	71.5	5,200	76.0	75
80	65.5	6,300	69.5	4,900	74.0	80
85	63.5	6,000	68.0	4,700	72.0	85
90	62.0	5,700	66.0	4,500	70.5	90
95	60.0	5,400	64.0	4,400	68.5	95
100	58.0	5,100	62.5	4,200	66.5	100
105	56.0	4,800	60.5	4,100	64.5	105
110	53.5	4,400	58.0	3,900	62.0	110
115	51.5	4,100	56.0	3,800	60.0	115
120	49.0	3,700	54.0	3,700	57.5	120
125	46.5	3,400	51.5	3,500	55.5	125
130	44.0	3,100	49.0	3,200	52.5	130
135	41.5	2,900	46.0	2,900	50.0	135
140	38.5	2,600	43.0	2,700	46.5	140
145	35.5	2,300	40.0	2,400	43.0	145
150	32.0	2,000	36.5	2,200	39.5	150
155	28.0	1,700	32.5	1,900	34.5	155
160	23.5	1,400	28.0	1,600	28.5	160

WARNING

Do Not Lower 61 Ft. Offset Fly In Working Position Below 20 Degrees Unless Main Boom Length Is 108 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.