

HTC-8640

40-ton (36.29 mt) Hydraulic Truck Crane

- 40-ton (36.29 mt) at a 9' (2.74 m) radius
- 105' (32.00 m) full-power, four-section boom with quick-reeve boom head
- 162' (49.38 m) maximum tip height
- Optional 51' (15.54 m) two-piece (bi-fold) lattice fly, stowable, offsettable to 2°, 20° and 40°
- No deducts for stowed attachment
- Full-deck aluminum fenders
- Pilot-operated hydraulic control
- On-highway 350 hp electronic Cummins engine
- 4,700 lb (2 132 kg) counterweight

HTC-8640

Heavy Lift

40-ton (36.29 mt) Hydraulic Truck Crane

The HTC-8640 Heavy Lift boasts all of the outstanding features of the HTC-8640, in addition to:

- An additional 5,000 lbs (2 268 kg) of counterweight for a total of 9,700 lbs (4 400 kg) significantly increases the lifting capacity and gives it the strongest chart in the three-axle, 40-ton (36.29 mt) capacity truck crane class
- On-highway 330 hp Cummins ISL engine with Jake Brake
- Heavy duty rear axles
- Larger rear tires 12R22.5

Link-Belt
CONSTRUCTION EQUIPMENT



HTC-8640

The HTC-8640 boasts the longest standard boom in the three-axle truck crane class in North America, and incorporates other proven Link-Belt features:

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

HTC-8640

Heavy Lift

All the great features of the HTC-8640 PLUS:

- Best 360° 40-ton lift capacities in the 3-axle class
- More counterweight
- Heavy duty rear axles



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.

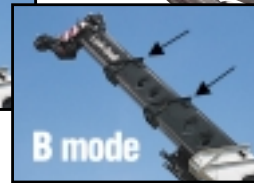
Link-Belt
CONSTRUCTION EQUIPMENT



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 increase 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.

Longest standard boom in its class

- Full power, fully synchronized four-section, 33' to 105' (10.06 to 32.00 m) boom, with quick reeve boom head
- Maximum tip height is 162' (49.38 m) with the main boom and full attachment.
- The "Boss" is 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 57' (17.37 m), 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

- Erection of 28.5' - 51' (8.68 - 15.54 m) two-piece (bi-fold) lattice fly is a one-man operation
- Exclusive design reduces side deflection when lifting loads
- Easy to erect and stow
- Also available: 28.5' (8.68 m) one-stage, swing-away lattice attachment
- Attachments offset to 2°, 20° and 40°

Sheppard rack & pinion steering system provides 40° wheel cuts and a 40' turning radius

Non-slip surface strips on carrier deck

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 is significantly reduced when service work and disassembly are required. The paint is baked on to totally cure the paint before assembly.

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.

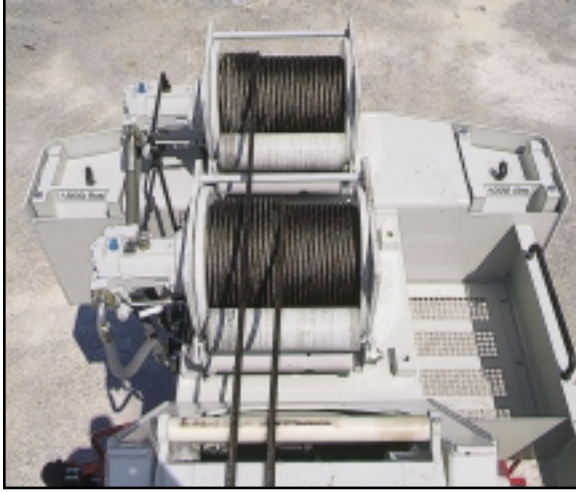


Piston motor hydraulic hoist system

Standard **load hoist system** consists of a main winch with two-speed piston motor and automatic brake for power up/down mode of operation. A bi-directional hydraulic motor, driving a planetary reduction unit provides precise 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.



Mechanical boom angle indicator - standard



4,700 lb (2 132 kg) base counterweight integral with upper structure (standard). Optional two 1,000 lb (454 kg) counterweight inserts bring counterweights up to 6,700 lb (3 046 kg).

"Heavy Lift" counterweight configuration - 9,700 lb (4 400 kg): All of the above, in addition to a 3,000 lb (1 361 kg) removable counterweight

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 of boom telescope
- **Automotive-style windshield**
- Corner-post-mounted **backlit gauges**
- **Dashless design**
- Large, sweeping **electric wipers**
- **Interchangeable with entire HTC and RTC lines**, with exception of the RTC-8030 Series II and RTC-8060



Access to the operator's cab is convenient with the pull-out CabWalk™ slide out cat walk. The CabWalk™ easily slides out from its secure travel position underneath the operator's cab.

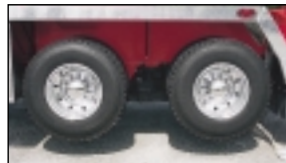
Integral rated capacity limiter

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-8640 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.



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 on all HTC-8640's, the air-ride suspension provides a smooth ride and precise handling. For pick-and-carry operations, the four air bags are deflated allowing the suspension to rest solid on the carrier frame. Before lifting the load, simply flip one switch in the carrier's cab and the bags automatically deflate. When the pick-and-carry operation is completed, flip the same switch and the air bags automatically re-inflate.

In addition to Link-Belt's smooth travelling and precise handling air-ride suspension, heavy duty rear axles and 12R22.5 tires have been added on the HTC-8640HL.



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.

Stow 'n Go outrigger pontoons are quickly and easily stored and secured for travel, eliminating the need to remove the outrigger's pontoon each time the crane moves. Outrigger pontoon storage space is also available on the rear fenders and side carrier access ladders.





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 back-lighted gauges
- Sliding side and rear windows and roll up/down door window provides excellent ventilation
- Ducted air through automotive-style directional vents
- Fully adjustable air ride fabric seat
- Suspended pedals
- Rear view mirrors
- Tilt steering column

Cruise to the next job site at 59 mph

The HTC-8640 is outfitted with a Cummins ISC-350 engine and a 9-speed manual transmission. The Cummins ISL-330 engine with engine compression brake, or "Jake Brake," is an available option and is standard on the "Heavy Lift."

Transmission

- 9-speed forward & 2-speed reverse manual transmission (standard)
- Automatic 6-speed forward & 1-speed reverse transmission with 2-speed auxiliary transmission is available on the HTC-8640 and the "Heavy Lift."
- 59 mph maximum highway travel speed
- 6 x 4 drive (standard)

Serviceability

Wide opening engine doors provide excellent accessibility, all 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.



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

Link-Belt
CONSTRUCTION EQUIPMENT

Lexington, Kentucky
www.linkbelt.com

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Lifting Capacities

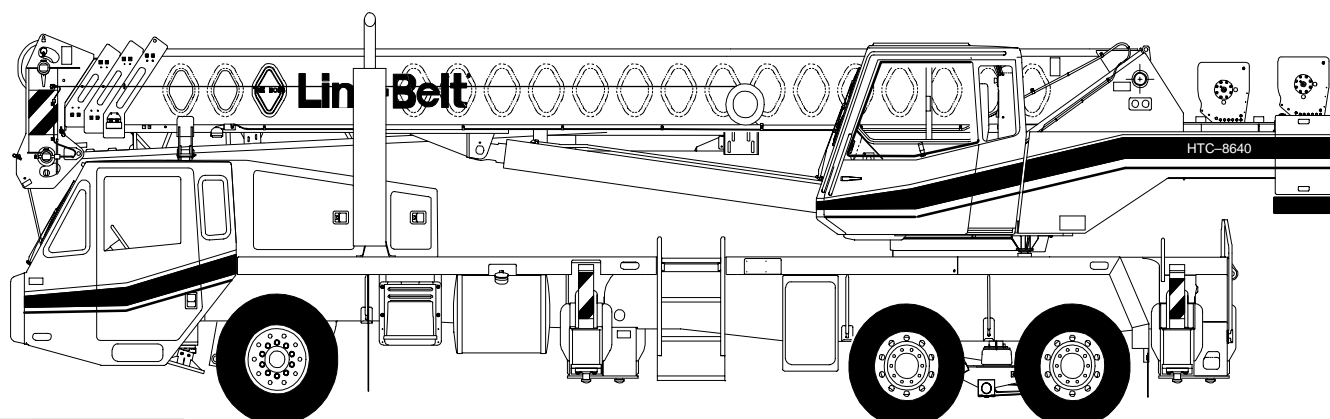
Telescopic Hydraulic Truck Crane

HTC-8640 *Heavy Lift* 40-ton (36.3 metric ton)

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

Fully Extended Outriggers

- Working Range Diagram (9,700 lbs. Counterweight)
- 33 to 57 ft. main boom capacities, A-max mode
- 33 to 105 ft. main boom capacities, Basic Mode "B"
- 28.5 ft. offset fly capacities, Basic Mode "B"
- 28.5 to 51 ft. two-piece offset fly capacities, Basic mode "B"



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.

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5	Working Areas
5	Capacity Deductions for Auxiliary Load Handling Equipment

Fully Extended Outriggers

6	Working Range Diagram, 9,700 lbs. Counterweight
7-8	Lifting Capacities, 9,700 lbs. Counterweight



WARNING

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

OPERATING INSTRUCTIONS

GENERAL:

- 1 . 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.
- 2 . 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:


- 1 . 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. The front bumper outrigger must be properly extended.
- 3 . When making lifts on tires, they must be inflated to the recommended pressure. (See Operation note 20 and Tire Inflation.)
- 4 . Before swinging boom to over side position on tires, boom sections must be fully retracted not exceeding a 72° boom angle.
- 5 . For required parts of line, see Wire Rope Capacity and Winch Performance.
- 6 . Before setting up on intermediate outriggers, retracted outriggers, or tires, refer to Working Range Diagrams and rated lifting capacities to determine allowable crane configurations.

OPERATION:

- 1 . Rated lifting capacities at rated radius shall not be exceeded. Do not tip the crane to determine allowable loads. For concrete bucket operation, weight of bucket and load shall not exceed 80% of rated lifting capacities. For clamshell bucket operation, weight of bucket and bucket contents is restricted to a maximum weight of 6,000 pounds or 80% of rated lifting capacity, whichever is less. For magnet operation, weight of magnet and load is restricted to a maximum weight of 6,000 pounds or 80% of rated lifting capacity, whichever is less. For clamshell and magnet operation, maximum boom length is restricted to 50 ft. and the boom angle is restricted to a minimum of 35 degrees. Lifts with either fly erected is prohibited for both clam and magnet operation.
- 2 . 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.
- 3 . 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. The rated lifting capacities in non-shaded areas are based on stability ratings. Some capacities are limited by a maximum obtainable 78° boom angle.
- 4 . Rated lifting capacities include the weight of the 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 which can be lifted. Rated lifting capacities include the deduct for either fly stowed on the base of the boom. For deducts of either fly erected, but not used, see Capacity Deductions For Auxiliary Load Handling Equipment.

- 5 . 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.
- 6 . Rated lifting capacities are for lift crane service only.
- 7 . 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.
- 8 . The maximum loads which 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.
- 9 . 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.
- 10 . 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.
- 11 . Rated lifting capacities do not account for wind on suspended load or boom. Rated capacities and boom length shall be appropriately reduced as wind velocity approaches or exceeds 20 mph.
- 12 . When making lifts with auxiliary head machinery, the effective length of the boom increases by 2 ft.
- 13 . Power sections of boom must be extended in accordance with boom mode "A" or "B". In boom mode "B" all power sections must be extended or retracted equally.
- 14 . The least stable rated working area depends on the configuration of the crane set up.
- 15 . Rated lifting capacities are based on correct reeving. Deduction must be made for excessive reeving. Any reeving over minimum required (see Wire Rope Capacity) 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 lb. for each extra foot of wire rope before attempting to lift a load.
- 16 . 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.
- 17 . For fly capacities with main boom length less than 105 ft. and greater than 80 ft., the rated capacities are determined by the boom angle using the 105 ft. boom and fly chart. For angles not shown use the next lower boom angle to determine the rated capacity.
- 18 . For fly capacities with main boom length less than 80 ft., the rated capacities are determined by the boom angle using the 80 ft. boom and fly chart. For angles not shown use the next lower boom angle to determine the rated capacity.
- 19 . The 33 ft. boom length structural lifting capacities are based on boom fully retracted. If the boom is not fully retracted, do not exceed capacities shown for the 40 ft. boom length.
- 20 . 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. 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. Rated lifting capacities on tires are limited to creep and 2.5 mph speed. For correct tire pressure, see Tire Inflation.

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.
- 2 . 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 not exceeding 200 ft. in a 30 minute period and 1 mph maximum speed.

BOOM EXTENSION

Boom Mode "A"
Only inner mid section telescopes

Inner Mid Section
288" Stroke

Base Section

Boom Length (ft.)

33

40

50

57

Boom Mode "B"
Inner mid, outer mid and tip sections telescope simultaneously.

Tip Section
288" Stroke

Outer Mid Section
288" Stroke

Inner Mid Section
288" Stroke

Base Section

Boom Length (ft.)

33

40

50

60

70

80

90

100

105

TIRE INFLATION

Tire Size	Operation	Tire Pressure (psi)
12 R 22.5	Creep	120
	2.5 mph	110

PONTOON LOADINGS

Maximum Pontoon Load:	Maximum Pontoon Ground Bearing Pressure:
61,750 lbs.	137 psi

CAPACITY DEDUCTIONS FOR AUXILIARY LOAD HANDLING EQUIPMENT

Load Handling Equipment:	(lbs.)
Auxiliary Head Attached	100
25-ton quick reeve 3 sheave hook block (see hook block for actual weight)	670
40-ton quick reeve 4 sheave hook block (see hook block for actual weight)	780
8.5-ton hook ball (see hook ball for actual weight)	360
Lifting From Main Boom With:	(lbs.)
28.5 ft. or 51 ft. fly stowed on base (see operation note 4)	0
28.5 ft. offset fly erected but not used	2600
51 ft. offset fly erected but not used	4800
Lifting From 28.5 ft. Offset Fly With:	(lbs.)
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.

WINCH PERFORMANCE

Wire Rope Layer	Winch Line Pulls		Drum Rope Capacity (ft.)	
	Two Speed Winch		Layer	Total
	Low Speed Available Lbs.*	High Speed Available lbs.		
1	13,010	6,418	77	77
2	11,768	5,805	85	162
3	10,742	5,299	93	255
4	9,881	4,874	101	356
5	9,148	4,513	109	465

*Maximum lifting capacity: Type RB Rope=9,080, Type ZB Rope=11,080

WIRE ROPE CAPACITY

Maximum Lifting Capacities Based On Wire Rope Strength			
Parts of Line	5/8"		Notes
	Type RB	Type ZB	
1	9,080	11,080	Capacities shown are in pounds and working loads must not exceed the ratings on the capacity charts in the Crane Rating Manual. Study Operator's Manual for wire rope inspection procedures and single part of line applications.
2	18,160	22,160	
3	27,240	33,240	
4	36,320	44,320	
5	45,400	55,400	
6	54,480	66,480	
7	63,560	77,560	
8	72,640	88,640	
9	81,720	—	
LBCE		DESCRIPTION	
TYPE RB		18 X 19 Rotation Resistant – Compact Strand, High Strength Preformed, Right Regular Lay	
TYPE ZB		36 X 7 Rotation Resistant – Extra Improved Plow Steel – Right Regular Lay	

HYDRAULIC CIRCUIT PRESSURE SETTINGS

Function	Pressure (PSI)
Front And Rear Winch	3100
Outriggers	3000
Boom Hoist	3350
Telescope	3000
Swing	1500
Steering	2000
Bumper Outrigger	650
Pilot Control	500

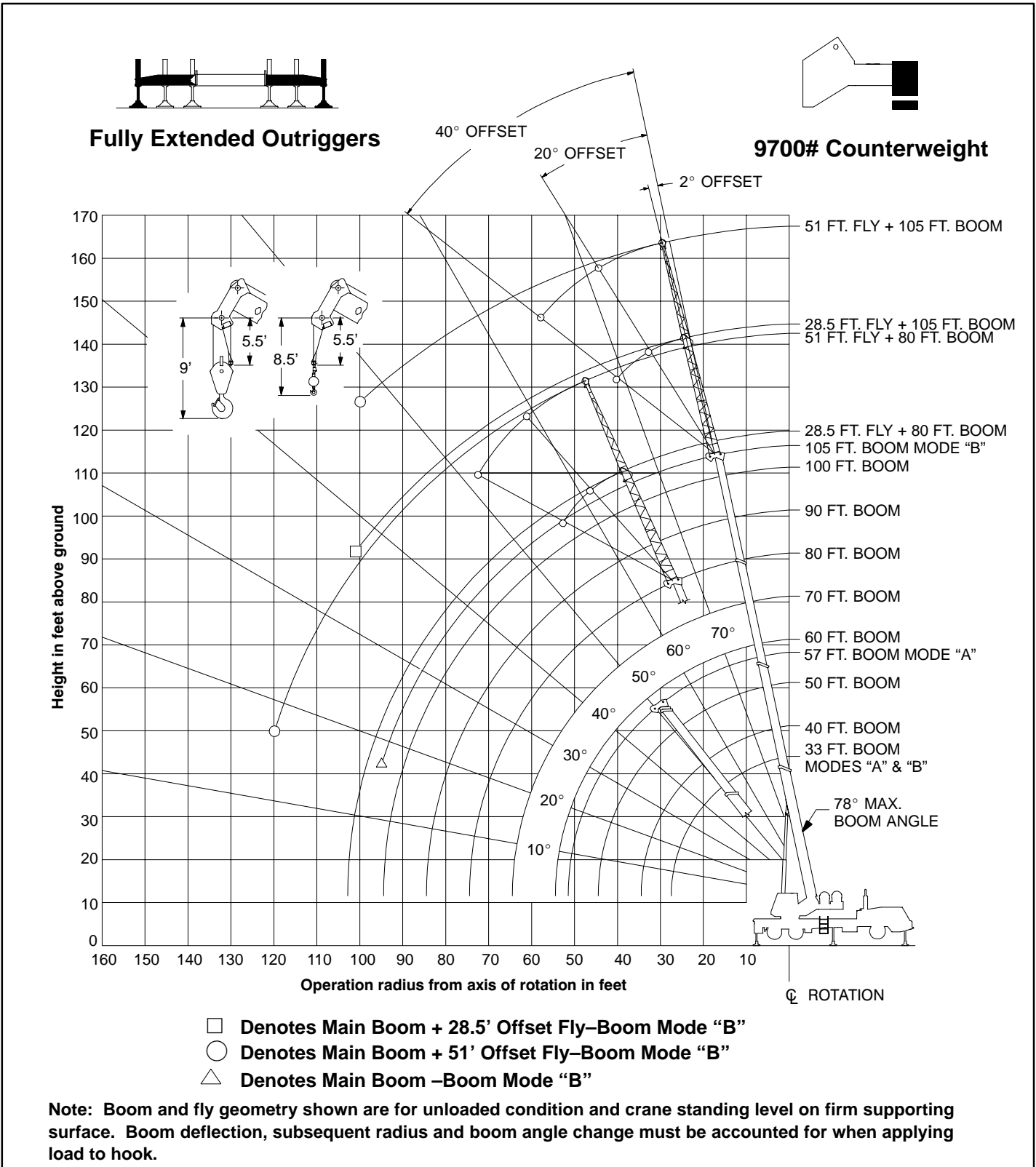
WORKING AREAS

HTC on Outriggers

HTC on Tires

Note: These Lines Determine The Limiting Position Of Any Load For Operation Within Working Areas Indicated.

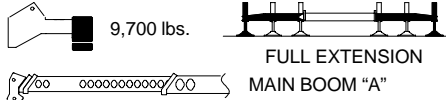
WORKING RANGE DIAGRAM



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 Fully Extended Outriggers See Set Up Note 2

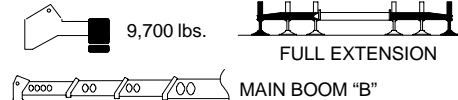


FULL EXTENSION
MAIN BOOM "A"

Load Radius (Ft.)	33 Ft.			40 Ft.		
	⊘°	360°	Over Rear	⊘°	360°	Over Rear
9	68.0	80,000	80,000			
10	66.0	72,300	72,300	70.5	72,300	72,300
12	62.0	65,500	65,500	67.5	65,200	65,200
15	55.5	55,600	55,600	62.5	55,300	55,300
20	43.5	42,200	42,200	54.0	41,900	41,900
25	26.5	29,900	29,900	44.0	29,700	29,700
30				31.0	21,500	21,500
Min. Bm. Ang./Cap	0 (27.5)	18,400	18,400	0 (34.5)	14,100	14,100
Load Radius (Ft.)	50 Ft.			57 Ft.		
	⊘°	360°	Over Rear	⊘°	360°	Over Rear
10	75.0	67,500	67,500	77.0	43,800	43,800
12	73.0	61,200	61,200	75.0	43,800	43,800
15	69.0	53,400	53,400	72.0	42,100	42,100
20	62.5	41,600	41,600	66.5	34,300	34,300
25	55.5	29,300	29,300	61.0	28,700	28,700
30	48.0	21,300	21,300	54.5	21,100	21,100
35	39.0	16,100	16,100	47.5	16,000	16,000
40	27.5	12,400	12,400	40.0	12,300	12,300
45				30.5	9,600	9,600
50				16.0	7,600	7,600
Min. Bm. Ang./Cap	0 (44.5)	9,300	9,300	0 (51.5)	6,900	6,900

Note: Refer To Page 5 For "Capacity Deductions For Auxiliary Load Handling Equipment". ⊘° Loaded Boom Angle In Degrees. () Reference Radius For Min. Boom Angle Capacities (Shown in Parenthesis) Are In Feet.

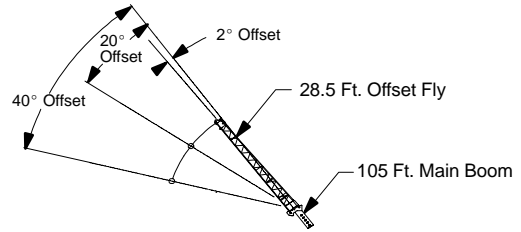
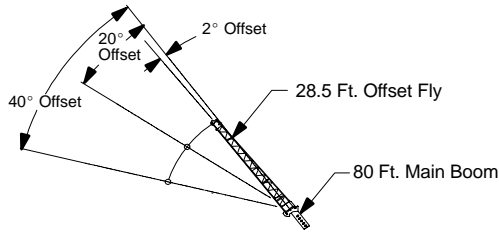
Rated Lifting Capacities In Pounds Fully Extended Outriggers See Set Up Note 2



FULL EXTENSION
MAIN BOOM "B"

Load Radius (Ft.)	33 Ft.			40 Ft.			50 Ft.		
	⊘°	360°	Over Rear	⊘°	360°	Over Rear	⊘°	360°	Over Rear
9	68.0	80,000	80,000						
10	66.0	72,300	72,300	70.5	35,000	35,000	74.5	35,000	35,000
12	62.0	65,500	65,500	67.5	35,000	35,000	72.5	35,000	35,000
15	55.5	55,600	55,600	62.5	35,000	35,000	68.5	35,000	35,000
20	43.5	42,200	42,200	54.0	35,000	35,000	62.5	35,000	35,000
25	26.5	29,900	29,900	43.5	30,700	30,700	55.5	31,100	31,100
30				31.0	22,400	22,400	47.5	23,000	23,000
35							39.0	17,700	17,700
40							27.5	14,000	14,000
Min. Bm. Ang./Cap	0 (27.5)	18,400	18,400	0 (34.5)	13,500	13,500	0 (44.5)	9,200	9,200
Load Radius (Ft.)	60 Ft.			70 Ft.			80 Ft.		
	⊘°	360°	Over Rear	⊘°	360°	Over Rear	⊘°	360°	Over Rear
10	77.5	35,000	35,000						
12	75.5	35,000	35,000						
15	72.5	35,000	35,000	75.5	35,000	35,000			
20	67.5	35,000	35,000	71.5	35,000	35,000			
25	62.5	31,400	31,400	67.0	31,500	31,500	74.5	30,700	30,700
30	56.5	23,200	23,200	62.5	23,400	23,400	67.0	22,900	22,900
35	50.5	18,000	18,000	57.5	18,100	18,100	62.5	18,200	18,200
40	43.5	14,300	14,300	52.0	14,500	14,500	58.5	14,600	14,600
45	35.5	11,600	11,600	46.5	11,800	11,800	53.5	11,900	11,900
50	25.0	9,500	9,500	40.0	9,700	9,700	49.0	9,900	9,900
55				33.0	8,100	8,100	43.5	8,200	8,200
60				23.0	6,700	6,700	37.5	6,800	6,900
65							31.0	5,700	5,800
70							22.0	4,700	4,800
Min. Bm. Ang./Cap	0 (54.5)	6,500	6,500	0 (64.5)	4,600	4,600	0 (74.5)	3,300	3,300
Load Radius (Ft.)	90 Ft.			100 Ft.			105 Ft.		
	⊘°	360°	Over Rear	⊘°	360°	Over Rear	⊘°	360°	Over Rear
20	77.0	27,400	27,400						
25	73.5	23,500	23,500	76.0	21,000	21,000	76.5	17,500	17,500
30	70.0	20,500	20,500	73.0	18,700	18,700	74.0	17,500	17,500
35	66.5	18,100	18,100	70.0	16,500	16,500	71.0	15,700	15,700
40	63.0	14,700	14,700	66.5	14,600	14,600	68.0	13,800	13,800
45	59.0	12,000	12,000	63.0	12,000	12,000	65.0	12,100	12,100
50	55.0	9,900	9,900	59.5	10,000	10,000	61.5	10,000	10,000
55	50.5	8,300	8,400	56.0	8,400	8,400	58.5	8,400	8,400
60	46.0	6,900	7,000	52.5	7,000	7,100	55.0	7,000	7,100
65	41.5	5,800	5,900	48.5	5,800	6,000	51.0	5,900	6,000
70	35.5	4,800	4,900	44.0	4,900	5,000	47.0	4,900	5,100
75	29.5	4,000	4,100	39.5	4,100	4,200	43.0	4,100	4,300
80	21.0	3,300	3,400	34.0	3,400	3,500	38.5	3,400	3,600
85				28.0	2,800	2,900	33.5	2,800	3,000
90				20.0	2,200	2,400	27.5	2,200	2,400
95							19.5	1,800	2,000
Min. Bm. Ang./Cap	0 (84.5)	2,300	2,300	0 (94.5)	1,500	1,500	17.0 (96.3)		

Note: Refer To Page 5 For "Capacity Deductions For Auxiliary Load Handling Equipment". ⊘° Loaded Boom Angle In Degrees. () Reference Radius For Min. Boom Angle Capacities (Shown In Parenthesis) Are In Feet.



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

FULL EXTENSION 9,700 lbs.

Load Radius (Ft.)	2° Offset		20° Offset		40° Offset	
	∠°	360°	∠°	360°	∠°	360°
25	77.0	15,200				
30	74.5	13,900				
35	72.0	11,900	76.0	8,700		
40	69.0	11,000	73.0	8,100	77.0	6,100
45	66.0	10,300	70.0	7,600	74.0	5,800
50	63.0	9,600	67.0	7,100	71.0	5,600
55	60.0	8,900	64.0	6,700	67.5	5,400
60	57.0	7,900	61.0	6,400	64.0	5,300
65	53.5	6,700	57.5	6,000	60.5	5,100
70	49.5	5,800	54.0	5,800	57.0	5,000
75	45.5	4,900	50.0	5,300	52.5	4,900
80	41.5	4,200	45.5	4,500	48.0	4,700
85	37.0	3,600	41.0	3,800	42.5	3,900
90	31.5	3,000	35.5	3,200		
95	25.5	2,500	28.5	2,700		
100	16.5	2,100	18.5	2,200		
Min. Bm. Ang./Cap.	0	1,300	0	1,400	0	1,500

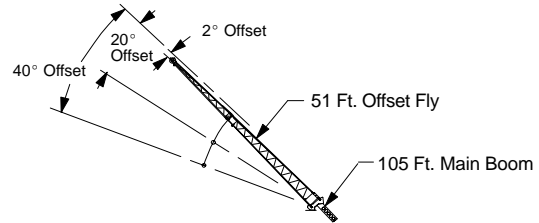
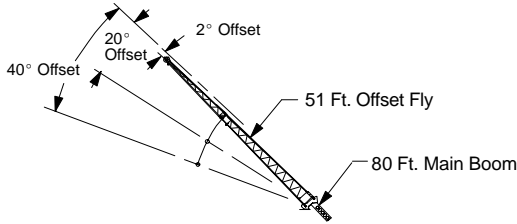
Rated Lifting Capacities In Pounds Fully Extended Outriggers See Set Up Note 2

FULL EXTENSION 9,700 lbs.

Load Radius (Ft.)	2° Offset		20° Offset		40° Offset	
	∠°	360°	∠°	360°	∠°	360°
35	76.5	9,000				
40	74.5	9,000	78.0*	7,900		
45	72.5	8,800	76.0	7,500		
50	70.0	7,900	73.5	7,200	76.5	5,700
55	67.5	7,200	71.0	6,600	74.0	5,500
60	65.5	6,600	69.0	6,100	71.5	5,400
65	63.0	6,100	66.5	5,700	69.5	5,200
70	60.5	5,500	64.0	5,300	66.5	5,000
75	57.5	4,700	61.0	4,900	64.0	4,700
80	54.5	4,000	58.5	4,400	61.0	4,400
85	51.5	3,300	55.0	3,700	58.0	4,000
90	48.5	2,800	52.0	3,100	54.5	3,300
95	45.0	2,300	48.5	2,600	51.0	2,800
100	41.5	1,900	45.0	2,100	47.0	2,300
105	38.0	1,500	41.0	1,700	42.5	1,800

WARNING

Do Not Lower 28.5 Ft. Offset Fly In Working Position Below 37° Main Boom Angle Unless Main Boom Length Is 86 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.



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

FULL EXTENSION 9,700 lbs.

Load Radius (Ft.)	2° Offset		20° Offset		40° Offset	
	∠°	360°	∠°	360°	∠°	360°
35	76.0	7,400				
40	74.0	6,700				
45	71.5	6,100	78.0*	4,200		
50	69.5	5,600	76.0	3,900		
55	67.0	5,100	73.5	3,700		
60	64.5	4,700	71.0	3,500	77.0	2,700
65	62.0	4,300	68.5	3,300	74.5	2,600
70	59.5	4,000	66.0	3,100	72.0	2,500
75	57.0	3,800	63.0	2,900	69.0	2,400
80	54.0	3,500	60.5	2,800	66.0	2,300
85	51.0	3,300	57.5	2,700	62.5	2,300
90	48.0	3,100	54.5	2,600	59.5	2,200
95	45.0	2,900	51.0	2,500	55.5	2,200
100	41.5	2,700	47.5	2,400	51.5	2,200
105	37.5	2,300	43.5	2,300	47.0	2,100
110	33.0	2,000	39.0	2,200	41.5	2,100
115	28.0	1,600	33.5	1,800		
120	22.0	1,400	26.5	1,500		

WARNING

Do Not Lower 51 Ft. Offset Fly In Working Position Below 17° Main Boom Angle Unless Main Boom Length Is 78 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

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

FULL EXTENSION 9,700 lbs.

Load Radius (Ft.)	2° Offset		20° Offset		40° Offset	
	∠°	360°	∠°	360°	∠°	360°
40	77.5	5,800				
45	75.5	5,700				
50	74.0	5,400				
55	72.0	5,100	77.5	3,700		
60	70.5	4,800	75.5	3,500		
65	68.5	4,500	73.5	3,400		
70	66.5	4,200	71.5	3,200	76.5	2,500
75	64.5	3,900	69.5	3,100	74.5	2,400
80	62.0	3,600	67.5	2,900	72.5	2,400
85	60.0	3,300	65.5	2,800	70.5	2,300
90	58.0	3,000	63.5	2,700	68.0	2,300
95	55.5	2,800	61.0	2,600	65.5	2,200
100	53.0	2,300	58.5	2,500	63.0	2,200
105	50.0	1,900	56.0	2,300	60.5	2,200
110			53.5	2,000	57.5	2,100
115			50.5	1,600	54.5	1,900
120					51.0	1,500

WARNING

Do Not Lower 51 Ft. Offset Fly In Working Position Below 47.5° Main Boom Angle Unless Main Boom Length Is 78 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.

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.