

BACK TO MAIN

MAXIM
1-877-MAX-LIFT

Link-Belt®
CONSTRUCTION EQUIPMENT

RTC-8065 65-ton

Hydraulic Rough Terrain Crane

- 184' (56.08 m) On-Board Tip Height
- Full Power Four-Section Boom
- Rated Capacity Limiter (RCL)
- Three Attachment Options



The New RTC-8065 Features The
Confined Area Lifting Capacities
(CALC) System



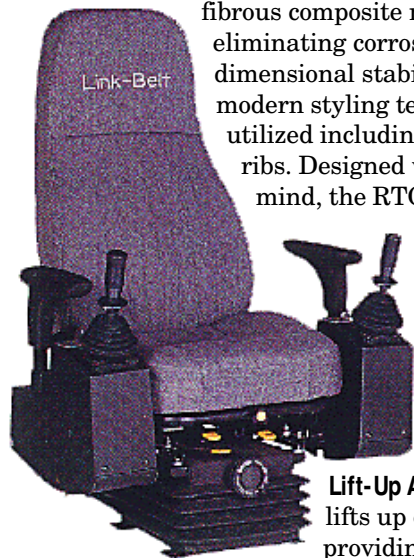
The Link-Belt RTC-8065.... smooth, precise control.

The New RTC-8065 hydraulic rough terrain crane features unmatched innovations such as the Confined Area Lifting Capacity System (CALC™), a revolutionary fibrous composite cab – the ULTRA-CAB™, piston 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 RTC-8065 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 RTC Series cab features:



Fabric Seat Six-way adjustable seat with height-adjustable armrests.

Hydraulic Control Levers Armrest mounted, responsive (joystick type).

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.

Back-lighted Gauges corner post mounted.

Overhead Console with switches for outrigger controls, lights, fan, and swing park brake.

Bubble Level standard sight level mounted on side console.

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

Ducted Air through automotive style directional vents.

Comprehensive Instrumentation Gauges monitor hydraulic oil temperature, air pressure, fuel level, water temperature, oil pressure and voltage. Converter oil temperature gauge mounted in side console.

Additional Cab Features Include:

- Tilting steering column for easy cab entering/exiting.
- Automotive style windshield and large side window provide operator with 25% more glass area.
- Dash-less design for superior visibility.
- 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, and percent of allowed load. This Microguard 414 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

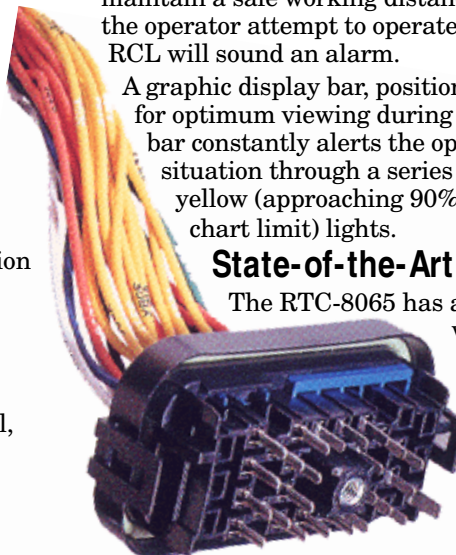
rigging requirements and an expanded memory which provides capacity information on all possible lift configurations.

An exclusive new feature available on the RTC-8065 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.

A 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 RTC-8065 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.



Superior controllability, transportability,

The RTC-8065 with 184' (56.08 m) of on-board tip height is specifically designed to give contractors and rental house companies the best equipment value in the 65-ton RT class.

Jobsite Maneuverability Maneuvering the RTC-8065 on the job site is made easier with independent controls for steering. Steering modes include independent front steer, four wheel coordinated steer and "crab" steering for tight job site situations.

Easy job-to-job transportability is crucial to any crane rental house or contractor. Link-Belt has designed a fast and efficient **hydraulic counterweight removal system** to further enhance the

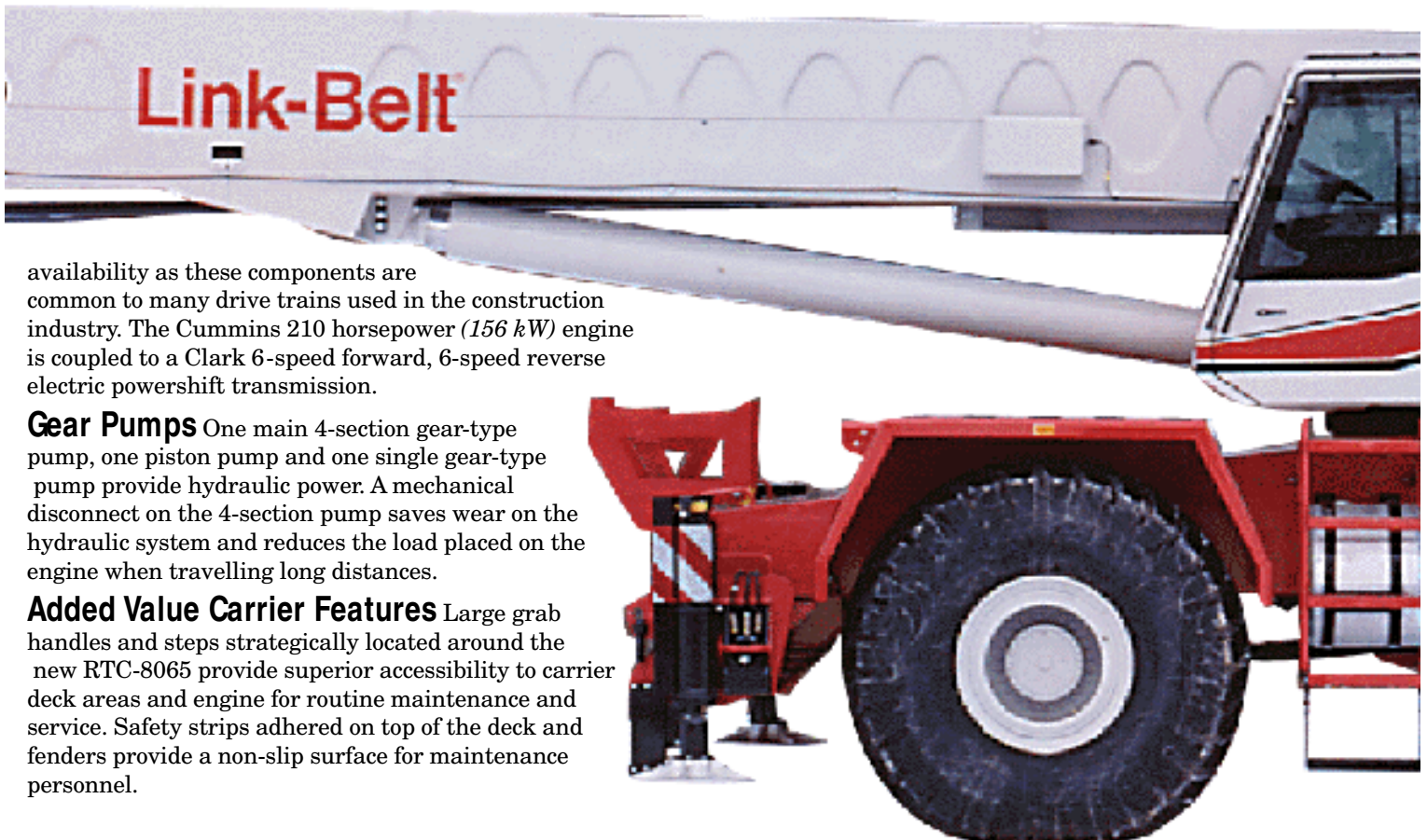
roadability of the 8065. The 12,000 lb. (5 443 kg) counterweight can be quickly lowered by two hydraulic cylinders onto counterweight removal brackets pinned to the front of the carrier. Then it's simply a matter of off-loading the counterweight using its own boom... maximum roadability! And as an added value feature, the RTC-8065 comes with a "0" counterweight lift chart for this machine configuration.

Power Train Utilizing a standard Cummins engine and Clark transmission translates to maximum parts

A standard oversize storage compartment is ideal for tools, slings, and accessories. Additionally lightweight aluminum outrigger floats with a "quick latch" feature, rigid front axle for greater stability in rough terrain, dual full air service/emergency brake for improved braking, air service ports, complete light package, and aluminum fuel tank for less condensation and corrosion set new rough terrain crane standards....superior customer benefits for superior customer value. A driver controlled differential lock is available for maximum traction.

Two-Part Paint Coating System Setting another new industry standard, Link-Belt is utilizing 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. In addition, because all parts are painted before assembly, 100% coverage of each part is realized, virtually eliminating corrosion bleed-through that is common with old paint processes.

The combination of this paint's superior abrasion resistance and the pre-assembly paint technique dramatically enhances the aesthetic appeal of the final machine as nuts, bolts, hoses, and a whole multitude of piece parts are no longer painted. As a result, paint chipping, cracking, and paint deterioration is substantially reduced when service work and disassembly is required.



availability as these components are common to many drive trains used in the construction industry. The Cummins 210 horsepower (156 kW) engine is coupled to a Clark 6-speed forward, 6-speed reverse electric powershift transmission.

Gear Pumps One main 4-section gear-type pump, one piston pump and one single gear-type pump provide hydraulic power. A mechanical disconnect on the 4-section pump saves wear on the hydraulic system and reduces the load placed on the engine when travelling long distances.

Added Value Carrier Features Large grab handles and steps strategically located around the new RTC-8065 provide superior accessibility to carrier deck areas and engine for routine maintenance and service. Safety strips adhered on top of the deck and fenders provide a non-slip surface for maintenance personnel.

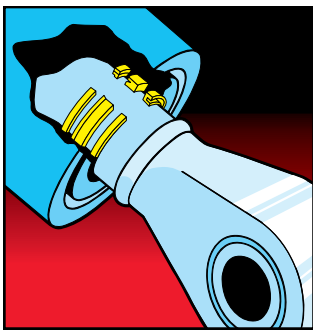
and reliability...all Link-Belt standards!

Superior Hydraulics

Multi-Function Control For greater productivity control, the six pump hydraulic circuit allows simultaneous function of boomhoist, winch and swing.... setting the standard in the 65-ton (60 metric ton) class.

Simplified Routings The new RTC-8065 incorporates simplified hydraulic routings for easy access. Fittings and connections are staggered where necessary for quick and easy servicing.

Serviceability 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 gauge kit (optional).



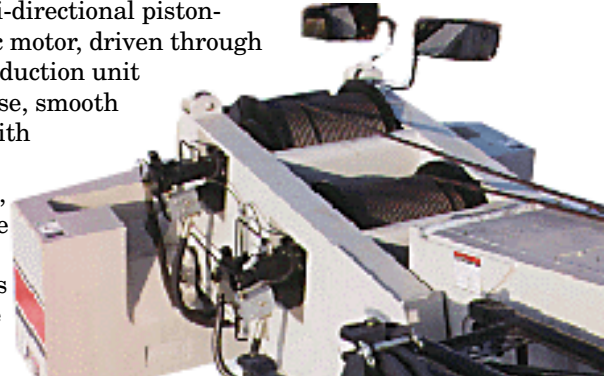
State-Of-The-Art Oil Seal Technology

The RTC-8065 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.

Piston Motor Hydraulic Hoist System

Delivers superior hoisting to the 65-ton (60 metric ton) hydraulic rough terrain crane class The standard load hoist system consists of a 2M 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. Asynchronous, parallel double cross-over grooved drums minimize rope harmonic motion, improving spooling and increases rope service life. Rotation resistant rope is standard.



A two-speed 2M auxiliary winch is available. 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.

Matched sizes of main and auxiliary winches provide equal maximum available line pulls of 16,805 lbs. (7 623 kg) and maximum line speeds of 460 f.p.m. (140 m/min.) on 16" (.41 m) root diameter grooved drums.



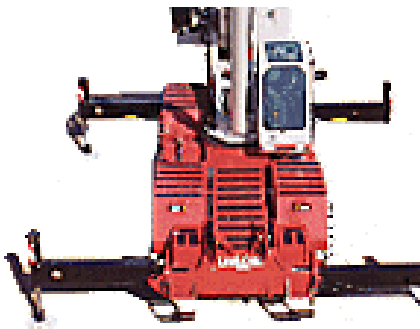
**The New
Look In Great
Performance!**

Industry first innovations...

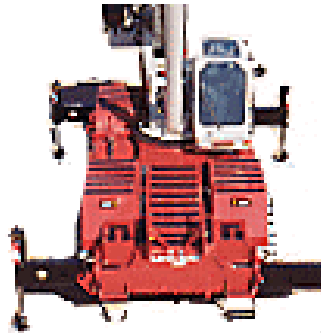
Confined Area Lifting Capacities (CALC™) System



The new RTC-8065 rough terrain crane 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 fully 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 because of the ability to fully level the machine, no matter the ground conditions.



*Fully Extended Outriggers
23' 0" (7.01 m) spread*



*Intermediate Extended Outriggers
16' 4-3/4" (5.00 m) spread*



*Fully Retracted Outriggers
10' 3/4" (3.07 m) spread*



The outrigger **position levers** (located on the outrigger boxes) are easily applied. Once the levers are engaged, the operator can set the crane in the intermediate or fully retracted outrigger mode without having to leave the cab.

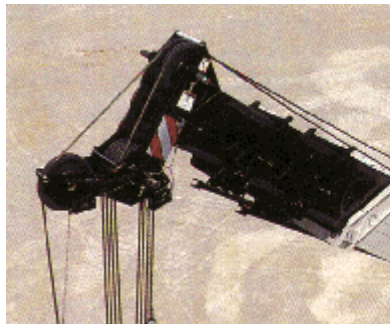
Under full extension, the outrigger beams extend to a wide 23' 0" (7.01 m) spread centerline to centerline. Centerline to centerline spread dimension for intermediate outriggers measures 16' 4-3/4" (5.00 m) and 10' 3/4" (3.07 m) for fully retracted...narrow enough to fit in extremely tight working areas but with the stability and capacities provided by being set on outriggers.

A thorough, easy-to-read crane rating manual gives the operator comprehensive capacities covering the three outrigger positions with all attachments, 'pick and carry' capacities plus '0' counterweight capacities.

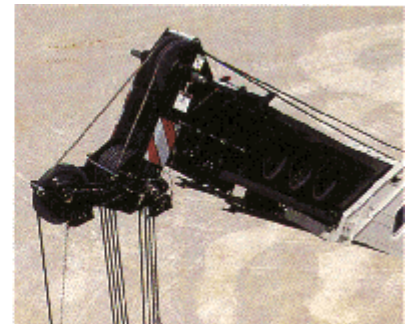
The **CALC** System...another industry innovation from Link-Belt designed for exceptional customer value.

Full Power Boom With Exclusive A-max Mode

A customer benefit which enhances the 8065'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 offers a full power, synchronized mode of telescoping all sections proportionally to 115' 0" (35.05 m). To enhance performance, the exclusive **A-max** mode (or mode 'A') extends only the inner mid section to 63.6' (19.39 m) offering substantially increased capacities for in-close, maximum capacity picks.



Basic boom extend mode



*Exclusive A-max boom
extend mode*

Patented boom design



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.

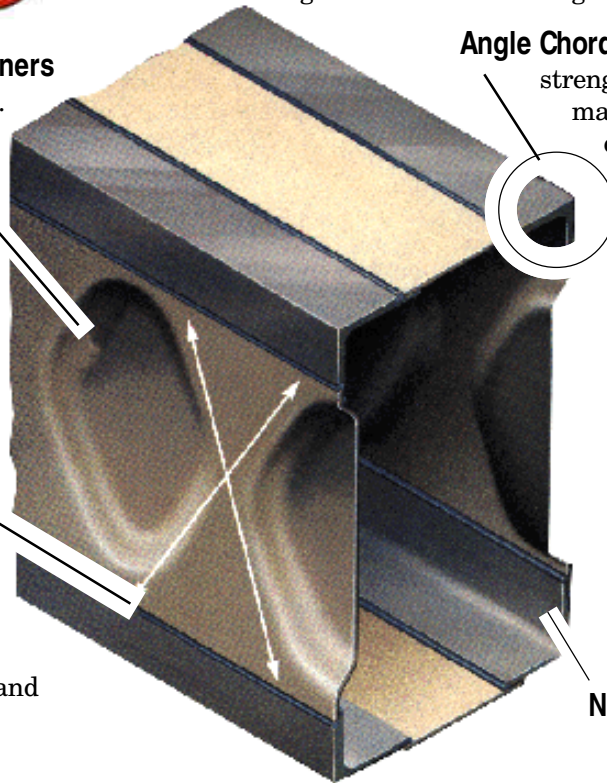
Embossed Sidewall Stiffeners

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 telescope sections are supported by adjustable wear shoes both vertically and horizontally.



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 38' 0" – 115' 0" (11.58 - 35.05 m) four-section boom.
- Stowable, 36' 6" (11.13 m) offsettable (1°, 15°, or 30° offset), one piece lattice type fly. Available with lugs to allow addition of second section.
- Stowable, 36' 6" – 61' (11.13 m - 18.59 m) offsettable (1°, 15°, or 30° offset) 2-piece, double swing-around, lattice type fly.



Stowable Attachments

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

Added Value Attachment Features

- **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** 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.

Link-Belt Construction Equipment Company Lexington, Kentucky

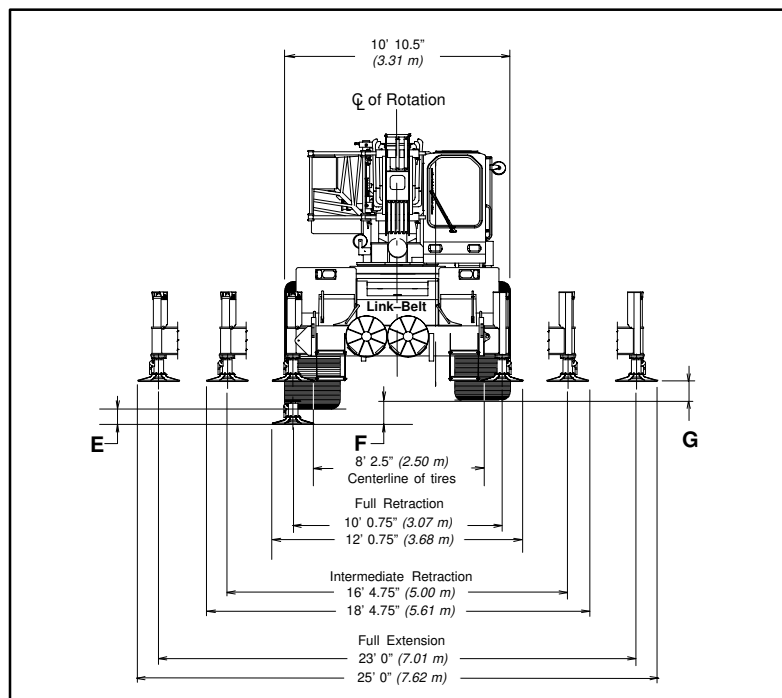
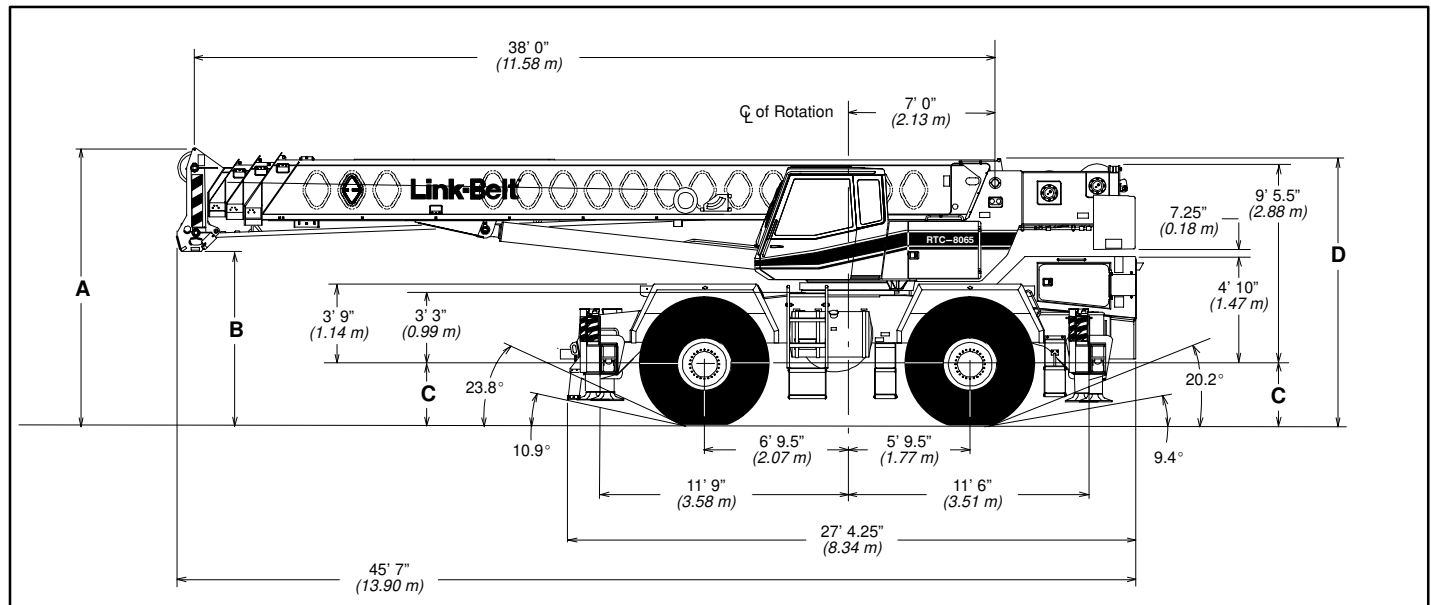
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Telescopic Boom Rough Terrain Crane

RTC-8065

65-ton (58.97 metric tons)



General Dimensions		feet	meters
Tailswing of Counterweight		13' 9.25"	4.20
Turning radius (4-wheel steer centerline of tires)		23' 10"	7.26
Turning radius (2-wheel steer centerline of tires)		46' 10"	14.28
Turning radius (4-wheel steer outside front carrier corner)		27' 5"	8.36
Turning radius (2-wheel steer outside front carrier corner)		49' 10"	15.19

Dimension	Tire Size	
	29.5 x 25	29.5 R 25
A	12' 10.75" (3.93 m)	12' 11.75" (3.97 m)
B	7' 11.5" (2.42 m)	8' 0.5" (2.44 m)
C	2' 8" (0.81 m)	2' 9" (0.84 m)
D	12' 5" (3.78 m)	12' 6" (3.81 m)
E	9" (0.23 m)	10" (0.25 m)
F	14.25" (0.36 m)	15.25" (0.39 m)
G	11.25" (0.29 m)	12.25" (0.31 m)

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.

Standard Boom

- 38' – 115' (11.58 – 35.05 m) four –section full power boom
- Basic mode (or mode 'B') is the full power, synchronized mode of telescoping all sections proportionally 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.
- Mechanical Boom Angle Indicator

Boom Head

- Five 16.5" (0.42 m) root diameter nylon sheaves handle up to ten parts of wire rope.
- Quick reeve design.
- Boom head designed for quick reeve of hook block.
- Rope dead end lugs provided on each side of boom head.
- Easily removable wire rope guards.
- Fly pinning alignment tool.

Boom Elevation

- 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 16.5" (0.42 m) root diameter nylon sheave with removable wire rope guard mounted on 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) 5-sheave, quick reeve hook block
- 60-ton (54.43 mt) 4-sheave, quick reeve hook block
- 40-ton (36.28 mt) 4-sheave, quick reeve hook block
- 8.5-ton (7.7 mt) hook ball
- Boom floodlight
- Fly pinning alignment tool

■ Fly

Optional

- 36.5' (11.13 m) One piece lattice fly, stowable, offsettable to 1°, 15° or 30°
- 36.5' – 61' (11.13 – 18.59 m) Two piece (bi-fold) lattice fly, stowable, offsettable to 1°, 15° or 30°

■ Cab and Controls

Environmental ULTRA CAB™

- LFC-2000 construction process featuring laminated fibrous composite material.
- Isolated from sound and vibration by a neoprene seal.
- Six-way adjustable operator's seat with retractable seat belt.
- Four-way adjustable tilting and locking steering wheel.
- All windows are tinted and tempered safety glass.
- Slide by door opens to 3' (0.91 m) width.
- Sliding rear and right side windows and swing up roof windows for maximum visibility and ventilation.
- Hand-held outrigger controls.
- Sight level bubble
- Audible swing alarm
- Backup alarm
- Cab mounted work lights
- Electric windshield wiper
- Top hatch window wiper
- Fire extinguisher
- Dome light
- Warning horn
- Travel lights
- Sun screen
- Mirrors
- Cup holder
- Circulating fan
- Defroster fan

Optional

- Amber strobe light and rotating beacon.
- Emergency steering system
- Rear steer indicator
- Hydraulic or diesel heater
- Air conditioning

Controls

Hydraulic controls (joystick type) for:

- Main winch
- Drum rotation indicators
- Optional auxiliary winch
- Optional single-axis controls
- Boom hoist
- Swing

Foot controls for:

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

Cab Instrumentation

Corner post mounted gauges for:

- Hydraulic oil temperature
- Converter temperature
- Water temperature
- Tachometer
- Audio/visual warning system
- Fuel
- Voltmeter
- Air pressure
- Oil pressure

■ 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
- Head height
- Allowed load
- % of allowed load
- Boom angle
- Radius of load
- Actual 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 lights; green, yellow and red.
- **External RCL light bar:** Visually informs ground crew when crane is approaching maximum load capacity kickouts and presettable alarms with a series of three lights; green, yellow and red.

■ Swing

- Bi-directional hydraulic swing motor mounted to a planetary reducer for 360° continuous smooth swing at 2 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 in overhead control console.
- **Swing brake** – 360°, foot operated, hydraulic applied disc brake mounted on the speed reducer.
- **Travel swing lock** – Standard; two position travel lock (pin device) operated from the operator's cab.
- **Counterweight** – Bolted to upper structure frame. 12,000 lbs. (5 443 kg). Hydraulically controlled counterweight removal optional.

Optional

- 360° swing lock (meets New York City requirements).

■ Hydraulic System

Main Pump

- Four-section gear-type pump.
- Combined pump capacity 136 gpm (515 lpm)
- Mounted on torque converter, powered by engine through a pump disconnect.
- Pump disconnect is a spline type clutch engaged/disengaged from carrier.
- Pump operates at 3,500 p.s.i. (24.1 MPa) maximum system pressure.
- O-Ring Face Seal (ORFS) technology throughout with hydraulic oil cooler.

Pilot Pressure/Counterweight Removal

- Pressure compensated piston pump powered by carrier engine. Operates at 1,500 psi (10.3 MPa) maximum.

Telescope/Outrigger/Steering Pump

- Single gear-type pump, 25 gpm (95 lpm) maximum. Mounted on torque converter, powered by engine through a direct mechanical drive.
- Pump operates at 3,000 p.s.i. (20.7 MPa) maximum system pressure.

Reservoir

- 170 gal. (643.5 L) capacity. Diffuser for deaeration.

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 rear winch with grooved lagging
- Two-speed motor and automatic brake

- Power up/down mode of operation
- Controls for future addition of auxiliary winch.
- Bi-directional piston-type hydraulic motor, driven through a planetary reduction unit for positive operator control under all load conditions.
- Asynchronous parallel double crossover grooved drums minimize rope harmonic motion.
- Winch circuit control provides balanced oil flow to both winches for smooth, simultaneous operation.

Line Pulls and Speeds

- Maximum line pull 17,117 lbs. (7 764 kg) and maximum line speed of 451 f.p.m. (138 m/min) on standard 16" (0.41 m) root diameter grooved drum.
- Rotation resistant rope

Optional

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

Carrier

Type

- 10' 10.5" (3.31 m) wide, 151" (3.84 m) wheelbase.
- 4 x 4 x 4 – (4-wheel steer, 4-wheel drive) For rough terrain with limited turning area.

Frame

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

Standard Carrier Equipment

- Two front, rear and two mid-point carrier steps.
- Non-slip safety strips on carrier deck
- Deep front storage
- Fenders
- Pontoon storage
- Full lighting package
- Front towing shackles

Optional

- Front and rear mounted pintle hook
- Front tow winch

Engine

Engine	Cummins 6CT 8.3 L
Cylinders – cycle	6 – 4
Bore	4.49 in. (114.05 mm)
Stroke	5.32 in. (135.13 mm)
Displacement	504 cu. in. (8 259 cm ³)
Maximum brake hp	210 @ 2,200 rpm
Peak torque (ft. lb.)	567 @ 1,500 rpm
Electric system	12 volt
Starting system	24 volt
Fuel capacity	100 gallons (387.5 L)
Alternator	130 amps
Crankcase capacity (total system)	23.7 qts. (22.4 L)
<ul style="list-style-type: none"> • Water/fuel separator on engine • 120-volt block heater • Ether injection package – optional 	

Transmission

- Clark three-speed, two range power shift transmission.
- Six speeds forward and six reverse
- Front axle disconnect for two or four-wheel drive.

Axles

- Front and Rear – Heavy duty planetary drive/steer type.
- Front axle disconnect

Suspension

Front Axle

- Rigid mounted to frame

Rear Axle

- Pin mounted on bronze bushings. Automatic hydraulic rear axle oscillation lock-out cylinders engage when upper structure rotates past 2.5° of centerline.

Steering

- Hydraulic two-wheel, four-wheel and "crab" steering.
- Modes selected by toggle switch on dash.
- All modes fully controlled by steering wheel.

Optional

- Rear steer indicator

Tires

Front and Rear

- Standard 29.5 x 25 (28-PR) Earthmover type

Optional

- 29.5R25 XHA 1 star radials
- Spare tires and rims and tire inflation kit

Brakes

Service

- Full air, drum-type brakes at each wheel end. Drum diameter 20.25" (0.51 m). Shoe width 4" (101.6 mm). Air service ports standard.

Air Dryer

- Desiccant type with change indicators; water and oil separator operational to -39 F.

Parking/Emergency

- Drum-type, spring applied, air released, fade resistant, cab controlled, mounted on front/rear axles.

Outriggers

- Three position operation capability.
- Four hydraulic, telescoping beam and jack outriggers.
- Vertical jack cylinders equipped with integral holding valve.
- Beams extend to 23' 0" (7.01 m) centerline-to-centerline and retract to within 10' 10.5" (3.31 m) overall width.
- Equipped with stowable, lightweight 24" (0.61 m) diameter aluminum floats.
- Controls and sight level bubble located in upper structure cab.

Confined Area Lifting Capacities (CALC™) System

- Three operational outrigger configurations are available:
 - Full extension -23' 0" (7.01 m)
 - Intermediate position - 16' 4.75" (5.00 m)
 - Full retraction -10' 0.75" (3.07 m)
- For confined area operation, rated lifting capacities are provided for the intermediate and fully retracted outrigger positions.
- When the outrigger position levers (located on the outrigger beams) are engaged, the operator can set the crane in the intermediate or full retraction outrigger position without having to leave the cab.

Optional

- Outrigger cover package

Travel Speeds and Gradability

Tires	29.5 x 25
Maximum Speed	20 (32.2 km/h)
Gradability at 70% convertor efficiency	77%
Maximum Tractive Effort at 70% convertor efficiency	64,664 lbs. (29 332 kg)
Gradability at 1.0 mph (1.6 km/hr)	48.5%
Maximum Tractive Effort at 1.0 mph. (1.6 km/hr)	46,839 lbs. (21 246 kg)
Machine operating angle must not exceed 35° (77% grade). Numbers reflect main hydraulic pump engaged.	

■ Axle Loads

Base machine with standard 38' – 115' (11.58 – 35.05 m) four-section boom, 2M main winch with 2-speed hoisting and power up/down, 630' (192 m) 3/4" (19 mm) wire rope. 4x4x4 carrier with Cummins 6CT 8.3L engine, 29.5 x 25 tires, counterweight and no fuel.	G.V.W. [Ⓢ]		Upper facing front				Upper facing rear			
			Front axle		Rear axle		Front axle		Rear axle	
	lbs.	kg.	lbs.	kg.	lbs.	kg.	lbs.	kg.	lbs.	kg.
	91,816	41 647	44,280	20 085	47,536	21 562	41,791	18 956	50,025	22 691
Remove 29.5 x 25 tires and wheels	-6,732	-3 054	-3,366	-1 527	-3,366	-1 527	-3,366	-1 527	-3,366	-1 527
29.5R25 XHA Tires	964	438	482	219	482	219	482	219	482	219
Remove outrigger beams	-5,235	-2 374	-2,461	-1 116	-2,774	-1 258	-2,461	-1 116	-2,774	-1 258
Tow winch	686	311	1,002	454	-316	-143	1,002	454	-316	-143
100 gallons (378.5 L) fuel	685	310	364	165	321	145	364	165	321	145
2M auxiliary winch with 630' (192 m) of 3/4" (19 mm) rope	691	313	-180	-82	871	395	816	370	-125	-57
Remove front carrier counterweights	-3628	-1 646	-4,858	-2 204	1,230	558	-4,858	-2 204	1230	558
Hydraulic counterweight removal	353	160	163	74	190	86	518	235	-165	-75
Remove counterweight	-12,000	-5 443	6,586	2 987	-18,586	-8 430	-17,633	-7 998	5,633	2 555
Diesel heater with tank	70	32	19	9	51	23	45	21	25	11
Hydraulic heater	170	77	47	21	123	56	110	50	60	27
Air conditioning	287	130	55	25	232	105	209	95	78	35
36.5' (11.13 m) One-piece lattice fly, with tip lugs, stowable	1,542	700	2,485	1 115	-619	-415	-1,039	-471	2,581	1 171
36.5' – 61' (11.13 – 18.59 m) Two-piece (bifold) lattice fly, stowable	2,250	1 021	3,165	1 436	-915	-415	-1,094	-496	3,344	1 517
Fly storage brackets with all fly options	160	73	228	103	-69	-30	-81	-36	241	109
Auxiliary lifting sheave assembly	110	50	355	152	-225	-102	-233	-106	343	156
8.5-ton (7.71 mt) hook ball @ front bumper	360	163	566	256	-206	-93	n/a	n/a	n/a	n/a
70-ton (63.50 mt) 5-sheave hook block @ front bumper	1,390	631	2,186	992	-796	-361	n/a	n/a	n/a	n/a
60-ton (54.43 mt) 4-sheave hook block @ front bumper	1,150	522	1,809	821	-659	-299	n/a	n/a	n/a	n/a

Ⓢ – Adjust gross weight and axle loading according to component weight. Note: All weights are ± 3%.

Tire	Max. Axle Load @ 20 mph (32.7 km/hr)
29.5 x 25 (28-PR)	53,000 (24 041 kg)
29.5R25 XHA 1 Star	53,000 (24 041 kg)

Lifting Capacities

PCSA Class 10-263

Hydraulic Rough Terrain Crane

RTC-8065 65-ton (60 metric ton)

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

Fully Extended Outriggers (12,000 lb. and 0 lb. counterweight)

- Working Range Diagram
- 38' 0" to 63.6' main boom capacities, *A-max* Mode
- 38' 0" to 115' 0" main boom capacities, Basic Mode "B"
- 36' 6" offsettable fly capacities, Basic Mode "B"
- 36' 6" - 61' 0" 2-piece offsettable fly capacities, Basic Mode "B"

Intermediate Extended Outriggers (12,000 lb. counterweight)

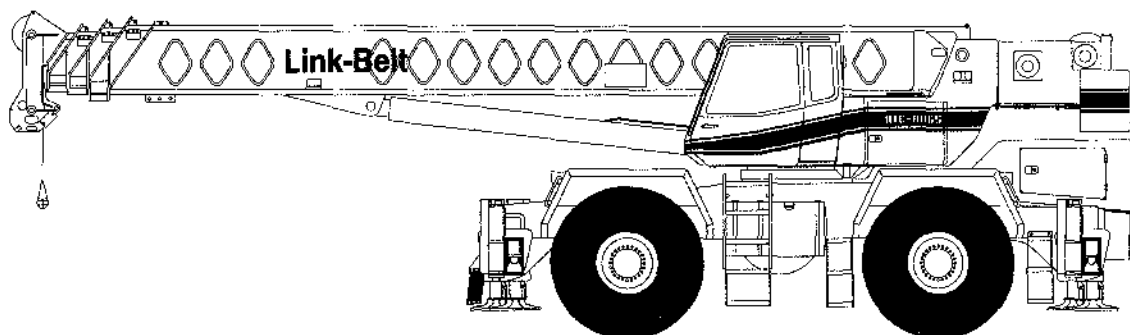
- Working Range Diagram
- 38' 0" to 63.6' main boom capacities, *A-max* Mode
- 38' 0" to 115' 0" main boom capacities, Basic Mode "B"
- 36' 6" offsettable fly capacities, Basic Mode "B"
- 36' 6" - 61' 0" 2-piece offsettable fly capacities, Basic Mode "B"

Fully Retracted Outriggers (12,000 lb. counterweight)

- Working Range Diagram
- 38' 0" to 63.6' main boom capacities, *A-max* Mode
- 38' 0" to 115' 0" main boom capacities, Basic Mode "B"

On Tires - (12,000 lb. counterweight)

- Working Range Diagram
- 38' 0" to 63.6' main boom capacities, *A-max* Mode
- 38' 0" to 85' 0" main boom capacities, Basic Mode "B"



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.

Table of Contents

Page	Contents
3 - 4	Operating Instructions
5	A-max Mode & Basic Mode "B" Boom Extension Diagram
5	Winch Performance
5	Wire Rope Strength
5	Working Areas
5	Hydraulic Circuit Pressure Settings
5	Capacity Deductions For Auxiliary Load Handling Equipment
5	Tire Inflation
5	Pontoon Loadings
5	Outrigger Spread
	Fully Extended Outriggers (12,000 lb. Counterweight)
6	Working Range Diagram
7	Main Boom Lifting Capacities
8	Fly Lifting Capacities
	Fully Extended Outriggers (0 lb. Counterweight)
9	Working Range Diagram
10	Main Boom Lifting Capacities
11	Fly Lifting Capacities
	Intermediate Extended Outriggers (12,000 lb. Counterweight)
12	Working Range Diagram
13	Main Boom Lifting Capacities
14	Fly Lifting Capacities
	Fully Retracted Outriggers (12,000 lb. Counterweight)
15	Working Range Diagram
16	Main Boom Lifting Capacities
	On Tires (12,000 lb. Counterweight)
17	Working Range Diagrams
18 - 19	Main Boom Lifting Capacities - 29.5 x 25 (28-PR) Tires
19 - 20	Main Boom Lifting Capacities - 29.5R25 XHA Tires

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 Institute (ANSI) safety standards for cranes.
4. The maximum allowable 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.
3. When making lifts on tires, they must be inflated to the recommended pressure. (See Operation note 19 and Tire Inflation.)
4. When operating on tires, do not exceed 70 degree maximum boom angle. Loss of backward stability will occur causing a tipping condition.
5. When operating with 0 pound counterweight, do not swing over side on tires unless boom is fully retracted and boom angle is above 20 degrees.
6. For required parts of line, see Wire Rope Strength and Winch Performance.

OPERATION:

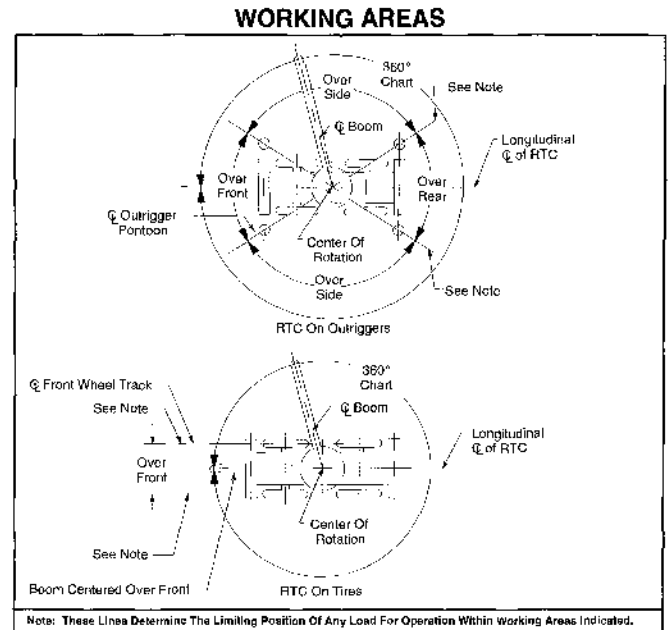
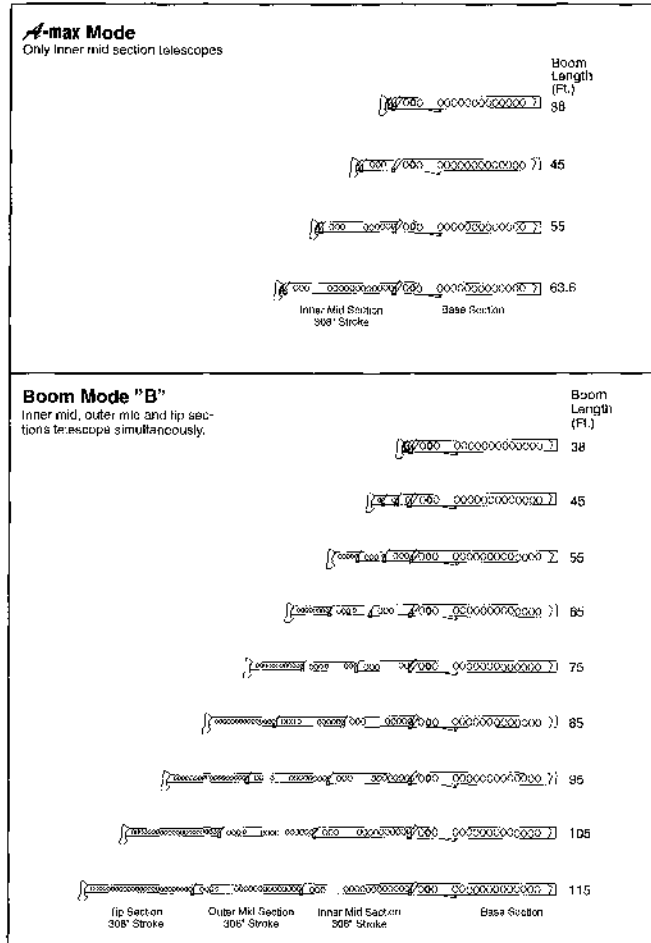
1. Rated lifting capacities at rated radius shall not be exceeded. Do not tip the crane to determine allowable loads. For concrete bucket operation, weight of bucket and load shall not exceed 80% of rated lifting capacities. For clamshell bucket operation, weight of bucket and bucket contents is restricted to a maximum weight of 7000 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 7000 pounds or 80% of rated lifting capacity, whichever is less. For clamshell and magnet operation, maximum boom length is restricted to 55 feet and the boom angle is restricted to a minimum of 35 degrees. Lifts with either fly erected or boom in **A-max** mode are prohibited for both clam and magnet operation.
2. The crane capacities shown on fully extended, or intermediate extended outriggers do not exceed 85% of the tipping loads. The crane capacities shown on fully retracted outriggers or tires do not exceed 75% of the tipping loads as determined by SAE crane stability test code J-765A.
3. The crane capacities in the shaded areas above the bold lines, are based on structural strength or hydraulic limitations. The crane capacities below the bold lines are based on stability ratings. Some capacities are limited by a maximum obtainable 78° boom angle.
4. Rated lifting capacities include the weight of hook 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. Also, 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 any radii or boom lengths (minimum or maximum) where capacities are not listed. At these positions, the crane can overturn without any load on the hook or cause boom failure.

Operating Instructions (con't)

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 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 extremely dangerous.
11. When making lifts with auxiliary head machinery, the effective length of the boom increases by 2 feet.
12. Power sections of boom must be extended in accordance with **A-max** mode or boom mode "B". In boom mode "B" all power sections must be extended or retracted equally.
13. The least stable rated working area on outriggers is over the side.
14. Rated lifting capacities are based on correct reeving. Deduction must be made for excessive reeving. Any reeving over minimum required (see Wire Rope Strength) 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.
15. 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.
16. For fly capacities with main boom length less than 115 ft and greater than 95 ft, the rated loads are determined by the boom angle using the 115 ft boom and fly chart. For angles not shown use the next lower boom angle to determine the allowable capacity.
17. For fly capacities with main boom length less than 95 ft, the rated loads are determined by the boom angle only using the 95 ft boom and fly chart. For angles not shown, use the next lower boom angle to determine the allowable capacity.
18. The 38 ft boom length capacities are based on boom fully retracted. If the boom is not fully retracted, do not exceed capacities shown for the 45 ft boom length.
19. Crane capacities on tires depend on tire capacity, condition of tires, and tire air pressure. On tire picks require lifting from main boom head only on a smooth and level surface. Pick and carry operations are restricted to a maximum speed of 1 MPH. The boom must be centered over the front of the crane with two position travel swing lock engaged and the load must be restrained from swinging. Lifts with any fly erected on tires are prohibited. For correct tire pressure, see "Tire Inflation". Also, see Carrier Tire Inflation Label.

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 after lifting the 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 stability limit radius is the radius beyond which it is not permitted to position the boom plus load handling equipment. Crane may overturn without any load on the hook.



HYDRAULIC CIRCUIT PRESSURE SETTINGS

Function	Pressure
Front And Rear Winch	3,500 psi
Outrigger	3,000 psi
Boom Hoist	3,500 psi
Telescope	3,000 psi
Swing	1,500 psi
Steering	1,600 psi
Pilot Control	500 psi
Counterweight Removal	1,700 psi

CAPACITY DEDUCTIONS FOR AUXILIARY LOAD HANDLING EQUIPMENT

Load Handling Equipment	Weight (lb)
Auxiliary Hoist Attached	150
70 Ton 5 Sheave Hook Block (See Hook Block For Actual Weight)	1,400
80 Ton 4 Sheave Hook Block (See Hook Block For Actual Weight)	1,100
8.5 Ton Hook Ball (See Hook Ball For Actual Weight)	360

Lifting From Main Boom With:	
24.5 Ft. Fly Tip Stowed On Boom Base	300
36.5 Ft. Offset Fly Stowed On Boom Base	900
36.5 Ft. Offset Fly Erected But Not Used	4,800
61 Ft. Offset Fly Stowed On Boom Base	1,200
61 Ft. Offset Fly Erected But Not Used	8,900

Lifting From 36.5 Ft. Offset Fly With:	
24.5 Ft. Fly Tip Stowed On Boom Base	300
24.5 Ft. Tip Erected But Not Used	PROHIBITED
24.5 Ft. Tip Stowed On 36.5 Ft. Offset Fly	PROHIBITED

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

WINCH PERFORMANCE

Winch Line Pulls			Drum Rope Capacity (ft)	
Wire Rope Layer	Two Speed Winch		Layer	Total
	Low Speed	High Speed		
	Available lb	Available lb		
1	16,805*	8,299	110	110
2	15,629*	7,718	116	226
3	14,592*	7,206	126	354
4	13,691*	6,761	135	489
5	12,894	6,368	143	632
6	12,191	6,020	151	783

* Reduce to 12,920 lb if using Type RB Rope.

WIRE ROPE STRENGTH

Maximum Lifting Capacities Based On Wire Rope Strength		
Parts of Line	3/4"	Notes
	Type RB	
1*	12,920	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. *Use of swivel end with 1 part of line is not recommended. ** Based on less than 5 to 1 safety factor.
2	25,840	
3	38,760	
4	51,680	
5	64,600	
6	77,520	
7	90,440	
8	103,360	
9	116,280	
10	130,000**	

LBCE	DESCRIPTION
TYPE RB	18 X 19 Rotation Resistant - Extra Improved Plow Steel - Preformed Right Lay - Regular Lay, Swaged

TIRE INFLATION

Tire Size	Operation	Tire Pressure (psi)
29.5 X 25 - 28 Ply	1 mph	75
	Stationary	75
29.5 R25 - XHA	1 mph	75
	Stationary	75

PONTOON LOADINGS

Maximum Pontoon Load:	Maximum Pontoon Ground Bearing Pressure:
94,000 lb	208 psi

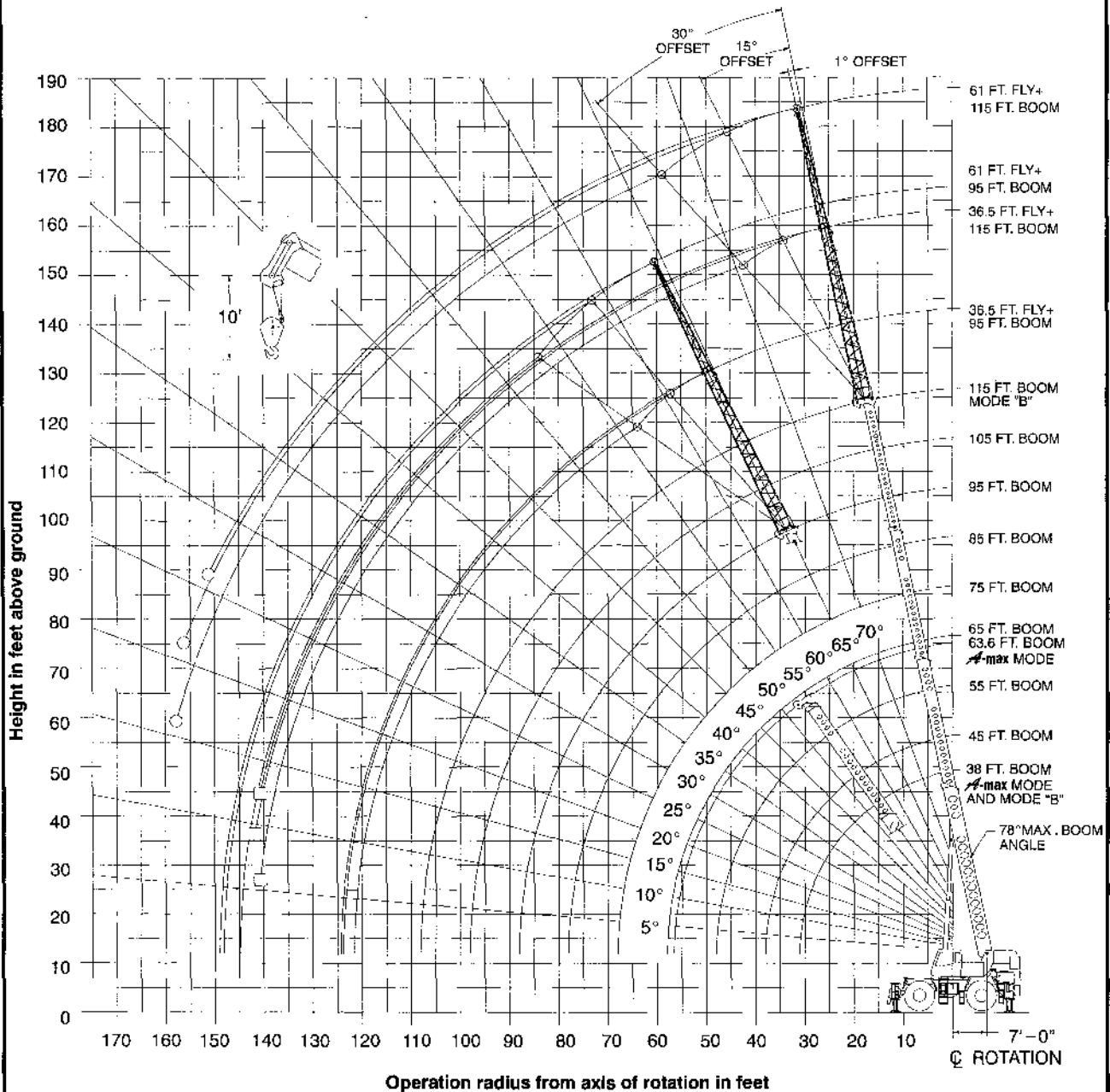
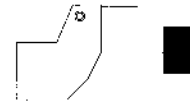
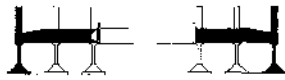
OUTRIGGER SPREAD

Position	Distance
Fully Retracted	120.75' - (10' - .75')
Intermediate Extended	196.75' - (16' - 4.75')
Fully Extended	276' - (23' - 0')

WORKING RANGE DIAGRAM

Working Range Diagram
On Fully Extended Outriggers

12,000# Counterweight



- Denotes Main Boom + 61' Fly-Boom Mode "B"
- Denotes Main Boom + 36.5' Fly-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 As Shown In The Above Chart For The Boom Lengths Shown. Loss Of Stability Will Occur Causing A Tipping Condition.


Fully Extended Outriggers - Main Boom Capacities (12,000 lb. Counterweight)

 Maximum Allowable Lifting Capacities Rated Lifting Capacities in Pounds On Fully Extended Outriggers See Set Up Note 2.							
12,000# COUNTERWEIGHT							
38 Ft. To 45 Ft. Main Boom							
Load Radius In Feet	Loaded Boom Angle (Deg.)	38 Ft.		Loaded Boom Angle (Deg.)	45 Ft.		Load Radius In Feet
		360°	Over Front		360°	Over Front	
10	67.0	130,000	130,000	71.0	87,400	87,400	10
12	64.0	118,000	118,000	68.5	87,400	87,400	12
15	58.5	100,700	100,700	64.0	87,400	87,400	15
20	48.5	74,200	74,200	56.5	73,500	73,500	20
25	36.5	57,400	57,400	48.0	58,800	58,800	25
30	17.5	46,100	46,100	38.0	48,600	48,600	30
35				24.5	34,800	35,500	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.							
12,000# COUNTERWEIGHT							
55 Ft. To 63.6 Ft. Main Boom							
Load Radius In Feet	Loaded Boom Angle (Deg.)	55 Ft.		Loaded Boom Angle (Deg.)	63.6 Ft.		Load Radius In Feet
		360°	Over Front		360°	Over Front	
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	63.5	72,800	72,800	68.0	58,000	58,000	20
25	57.5	56,200	56,200	63.0	44,800	44,800	25
30	51.0	45,000	45,000	57.5	38,700	38,700	30
35	43.0	34,000	34,900	51.5	33,800	33,800	35
40	34.5	26,300	26,900	45.5	25,900	26,600	40
45	22.0	20,900	21,400	38.0	20,600	21,100	45
50				29.0	16,600	17,000	50
55				18.0	13,500	13,900	55
Min. Boom Angle/Cap.	0°	14,800	14,800	0°	11,000	11,000	Min. Boom Angle/Cap.

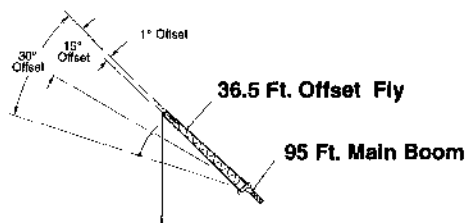
<div></div> <div>Maximum Allowable Lifting Capacities Rated Lifting Capacities in Pounds On Fully Extended Outriggers See Set Up Note 2.</div> <div></div>												
BOOM MODE "B" 12,000# COUNTERWEIGHT												
38 Ft. To 55 Ft. Main Boom												
Load Radius In Feet	38 Ft.			45 Ft.			55 Ft.			Load Radius In Feet		
	Loaded Boom Angle (Deg.)	360°	Over Front	Loaded Boom Angle (Deg.)	360°	Over Front	Loaded Boom Angle (Deg.)	360°	Over Front			
	10	67.0	130,000	130,000	71.0	42,000	42,000	74.5	42,000		42,000	10
	12	64.0	118,000	118,000	68.0	42,000	42,000	72.5	42,000		42,000	12
	15	58.5	100,700	100,700	64.0	42,000	42,000	69.9	42,000		42,000	15
	20	48.5	74,200	74,200	56.5	42,000	42,000	63.5	42,000		42,000	20
	25	36.5	57,400	57,400	48.0	42,000	42,000	57.5	42,000		42,000	25
	30	17.5	46,100	46,100	38.0	42,000	42,000	50.0	42,000		42,000	30
	35				24.5	35,900	36,700	43.0	38,500		37,300	35
	40							34.0	28,600		29,300	40
45							22.0	23,100	23,600	45		
Min. Boom Angle/Cap.	0°	26,300	26,300	0°	20,100	20,100	0°	14,400	14,400	Min. Boom Angle/Cap.		

65 Ft. To 85 Ft. Main Boom										
Load Radius In Feet	65 Ft.			75 Ft.			85 Ft.			Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Over Front	Loaded Boom Angle (Deg.)	360°	Over Front	Loaded Boom Angle (Deg.)	360°	Over Front	
12	75.5	42,000	42,000							12
15	73.0	42,000	42,000	75.5	42,000	42,000	77.5	42,000	42,000	15
20	68.0	42,000	42,000	71.5	42,000	42,000	74.5	42,000	42,000	20
25	63.5	42,000	42,000	68.0	42,000	42,000	71.0	41,800	41,800	25
30	58.0	42,000	42,000	63.5	42,000	42,000	67.0	37,300	37,900	30
35	52.5	36,800	37,700	59.0	37,100	38,000	63.5	32,900	32,900	35
40	46.5	29,900	29,900	54.0	29,200	29,800	59.5	29,300	29,700	40
45	39.5	23,500	24,000	49.0	23,700	24,200	55.0	23,900	24,400	45
50	31.5	19,400	19,800	43.0	19,600	20,000	50.5	19,800	20,200	50
55	20.0	16,200	16,600	37.0	16,400	16,800	46.0	16,600	17,000	55
60				29.0	13,900	14,200	40.5	14,100	14,400	60
65				19.0	11,900	12,200	34.5	12,100	12,400	65
70							27.5	10,400	10,700	70
75							18.0	9,000	9,200	75
Min. Boom Angle/Cap.	0°	10,700	10,700	0°	8,000	8,000	0°	6,100	6,100	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"							
12,000# COUNTERWEIGHT							
85 Ft. To 115 Ft. Main Boom							
Load Radius In Feet	Loaded Boom Angle (Deg.)	95 Ft.		Loaded Boom Angle (Deg.)	105 Ft.		Load Radius In Feet
		360°	Over Front		360°	Over Front	
20	76.5	38,700	38,700				20
25	73.5	33,800	33,800	75.5	30,400	30,400	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	19,700	19,700	45
50	56.0	19,800	19,800	60.5	17,900	17,900	50
55	52.0	16,700	17,100	57.0	16,200	16,200	55
60	48.0	14,200	14,500	53.5	14,300	14,600	60
65	43.5	12,200	12,500	50.0	12,800	12,600	65
70	38.5	10,500	10,800	46.0	10,600	10,800	70
75	33.0	9,100	9,300	41.5	9,200	9,400	75
80	28.5	7,900	8,100	37.0	8,000	8,200	80
85	17.0	6,800	7,000	31.5	6,900	7,100	85
90				25.5	6,000	6,200	90
95				16.5	5,200	5,400	95
100							100
105							105
Min. Boom Angle/Cap.	0°	4,600	4,600	0°	3,500	3,500	Min. Boom Angle/Cap.

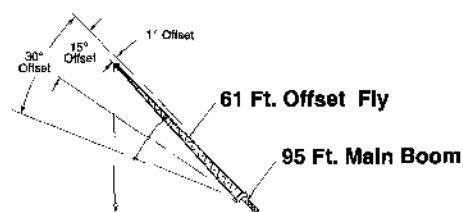
Note: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.

Fully Extended Outriggers - Fly Capacities - Boom Mode "B" (12,000 lb. Counterweight)

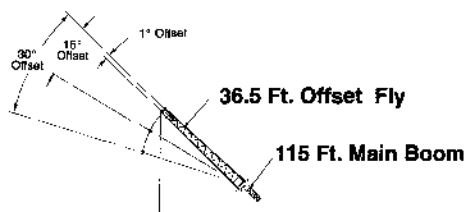


BOOM MODE "B" 12,000# COUNTERWEIGHT						
Maximum Allowable Lifting Capacities Rated Lifting Capacities in Pounds On Fully Extended Outriggers See Set Up Note 2.						
95 Ft. Main Boom + 36.5 Ft. Offset Fly						
Load Radius In Feet	1° Offset		15° Offset		30° Offset	
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°
30	76.5	18,000				30
35	74.0	16,700	78.0°	11,900		35
40	72.0	14,900	75.5	11,300		40
45	70.0	13,700	73.5	10,700	77.0	45
50	67.5	12,600	71.0	10,000	74.5	50
55	65.0	12,100	68.5	9,600	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	7,600	58.5	80
85	49.0	8,800	52.5	7,400	55.5	85
90	46.0	7,300	49.5	7,200	52.5	90
95	42.5	6,500	46.5	6,800	49.0	95
100	39.0	5,700	42.5	6,100	45.5	100
105	35.0	5,100	38.5	5,400	41.0	105
110	30.5	4,500	34.0	4,700	36.0	110
115	25.0	4,000	28.5	4,100	30.0	115
120	18.0	3,500	21.5	3,600	21.0	120
Min. Boom Angle/Cap.	0°	1,700	0°	1,700	0°	1,800

* This capacity based on maximum obtainable boom angle.



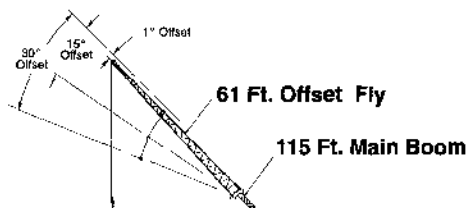
BOOM MODE "B" 12,000# COUNTERWEIGHT						
Maximum Allowable Lifting Capacities Rated Lifting Capacities in Pounds On Fully Extended Outriggers See Set Up Note 2.						
95 Ft. Main Boom + 61 Ft. Offset Fly						
Load Radius In Feet	1° Offset		15° Offset		30° Offset	
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°
35	77.5	9,500				35
40	76.0	9,500				40
45	74.0	9,000				45
50	72.0	8,400	77.0	6,200		50
55	70.0	7,800	75.6	5,900		55
60	68.5	7,300	73.5	5,600		60
65	66.5	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	67.5	4,800	72.6	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	4,200	53.5	3,700	58.0	105
110	45.5	4,100	51.0	3,600	55.0	110
115	43.0	3,900	48.0	3,500	52.0	115
120	40.0	3,700	46.0	3,300	49.0	120
125	37.0	3,600	41.5	3,200	45.5	125
130	33.0	3,200	38.0	3,200	41.5	130
135	29.0	2,900	34.0	3,100	37.0	135
140	24.0	2,500	29.0	2,700	31.0	140
145	18.0	2,200	22.0	2,300		145
Min. Boom Angle/Cap.	0°	700	0°	700	0°	800



BOOM MODE "B" 12,000# 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	75.0	55
60	67.5	10,500	71.0	10,100	74.0	60
65	65.0	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	6,200	55.0	6,500	58.0	95
100	49.0	5,600	52.5	5,800	55.5	100
105	46.0	4,800	49.5	5,200	52.5	105
110	43.0	4,200	46.5	4,600	49.0	110
115	40.0	3,700	43.5	4,000	46.0	115
120	36.5	3,200	40.0	3,500	42.0	120
125	33.0	2,800	36.0	3,000	38.0	125
130	29.0	2,400	32.0	2,600	33.5	130
135	24.0	2,000	27.0	2,200	28.0	135
140	17.5	1,700	20.5	1,800	19.0	140

WARNING
Do Not Lower 36.5 Ft. Offset Fly In Working Position Below 12.5 Degrees Unless Main Boom Length is 112 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

* This capacity based on maximum obtainable boom angle.



BOOM MODE "B" 12,000# 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	78.5	6,000		60
65	70.0	7,100	76.0	5,700		65
70	68.5	7,100	73.5	5,400		70
75	67.0	6,700	71.5	5,200	77.5	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	64.5	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	62.5	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	3,300	51.5	3,600	55.5	125
130	44.0	2,900	49.0	3,200	52.5	130
135	41.5	2,500	46.0	2,900	50.0	135
140	38.5	2,200	43.0	2,500	47.0	140
145	35.5	1,800	40.0	2,100	43.6	145
150	32.0	1,600	36.5	1,600	39.5	150
155	26.0	1,300	32.5	1,500	34.5	155

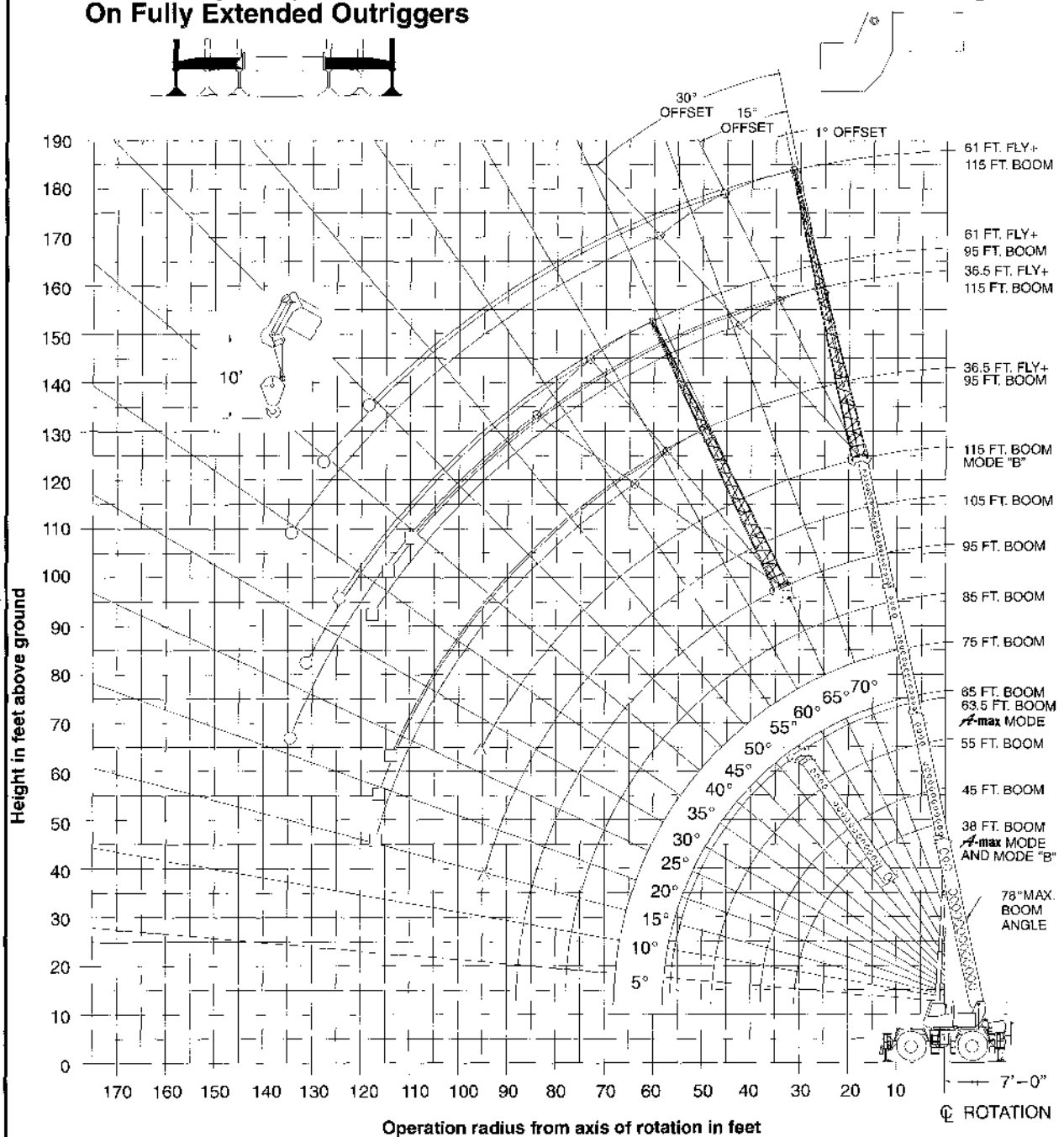
WARNING
Do Not Lower 61 Ft. Offset Fly In Working Position Below 26.0 Degrees Unless Main Boom Length is 102 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

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

WORKING RANGE DIAGRAM

Working Range Diagram On Fully Extended Outriggers

0# Counterweight



- Denotes Main Boom + 61' Fly-Boom Mode "B"
- Denotes Main Boom + 36.5' 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 As Shown In The Above Chart For The Boom Lengths Shown. Loss Of Stability Will Occur Causing A Tipping Condition.

Fully Extended Outriggers - Main Boom Capacities (0 lb. Counterweight)

Maximum Allowable Lifting Capacities Rated Lifting Capacities In Pounds On Fully Extended Outriggers See Set Up Note 2.							
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 Front	Loaded Boom Angle (Deg.)	360°	Over Front	
10	67.0	129,000	130,000	71.0	87,400	87,400	10
12	64.0	115,400	115,500	68.5	87,400	87,400	12
15	58.5	91,900	91,900	64.0	87,400	87,400	15
20	48.5	66,700	66,700	56.5	86,100	86,100	20
25	36.5	49,800	51,400	48.0	49,000	50,600	25
30	17.5	33,800	34,800	38.0	33,200	34,100	30
35				24.5	24,100	24,800	35
Min. Boom Angle/Cap.	0°	26,300	26,300	0°	20,200	20,700	Min. Boom Angle/Cap.

Maximum Allowable Lifting Capacities Rated Lifting Capacities In Pounds On Fully Extended Outriggers See Set Up Note 2.							
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 Front	Loaded Boom Angle (Deg.)	360°	Over Front	
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	63.5	65,400	66,400	68.0	53,000	53,000	20
25	57.5	48,100	49,700	63.0	44,900	44,900	25
30	50.5	32,500	33,400	57.5	32,000	33,000	30
35	43.0	23,500	24,200	51.5	23,200	23,800	35
40	34.0	17,700	18,200	45.0	17,300	17,800	40
45	22.0	13,600	13,800	38.0	13,200	13,600	45
50				29.0	10,300	10,600	50
55				15.5	7,900	8,100	55
Min. Boom Angle/Cap.	0°	11,500	11,900	0°	7,200	7,400	Min. Boom Angle/Cap.

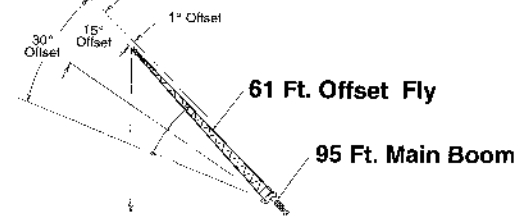
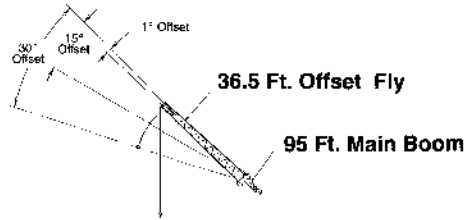
Maximum Allowable Lifting Capacities Rated Lifting Capacities In Pounds On Fully Extended Outriggers See Set Up Note 2.							
BOOM MODE "B" 0# COUNTERWEIGHT							
38 Ft. To 55 Ft. Main Boom							
Load Radius In Feet	38 Ft.			45 Ft.			Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Over Front	Loaded Boom Angle (Deg.)	360°	Over Front	
10	87.0	129,000	130,000	71.0	42,000	42,000	10
12	84.0	115,400	115,500	68.0	42,000	42,000	12
15	58.5	91,900	91,900	64.0	42,000	42,000	15
20	48.5	66,700	66,700	56.5	42,000	42,000	20
25	36.5	49,800	51,400	48.0	42,000	42,000	25
30	17.5	33,800	34,800	38.0	34,800	35,500	30
35				24.5	25,400	26,000	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" 0# 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 Front	Loaded Boom Angle (Deg.)	360°	Over Front	
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	67.5	42,000	42,000	25
30	58.0	35,600	36,600	63.0	35,800	36,900	30
35	52.5	26,300	27,000	58.5	26,800	27,200	35
40	46.0	20,300	20,800	53.5	20,600	21,100	40
45	39.5	16,100	16,500	48.5	16,300	16,700	45
50	31.0	13,000	13,300	43.0	13,200	13,500	50
55	20.0	10,600	10,800	36.5	10,800	11,100	55
60				29.0	8,900	9,100	60
65				18.5	7,300	7,500	65
70							70
75							75
Min. Boom Angle/Cap.	0°	9,300	9,600	0°	8,500	8,700	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" 0# 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 Front	Loaded Boom Angle (Deg.)	360°	Over Front	
20	76.5	38,700	38,700				20
25	73.5	33,800	33,800	75.5	30,400	30,400	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	63.0	20,900	21,400	66.5	21,000	21,500	40
45	59.5	16,600	17,000	63.5	16,700	17,100	45
50	55.5	13,500	13,800	60.0	13,600	13,900	50
55	52.0	11,100	11,400	56.5	11,200	11,500	55
60	47.5	9,200	9,400	53.0	9,300	9,500	60
65	43.0	7,600	7,800	49.5	7,700	7,900	65
70	38.0	6,300	6,500	45.5	6,400	6,600	70
75	32.5	5,200	5,400	41.0	5,300	5,500	75
80	26.0	4,300	4,400	36.5	4,400	4,500	80
85	16.5	3,500	3,600	31.0	3,600	3,700	85
90				25.0	2,900	3,000	90
95				16.0	2,200	2,400	95
Min. Boom Angle/Cap.	0°	3,000	3,200	14.5°			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" (0 lb. Counterweight)



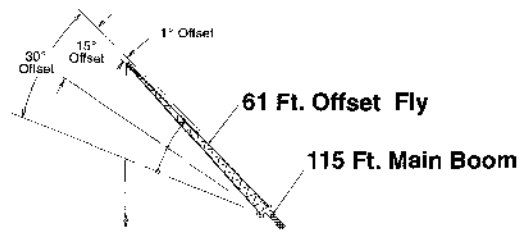
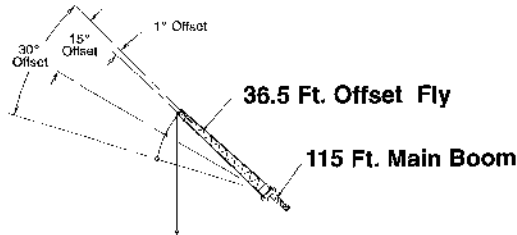
BOOM MODE "B" 0# COUNTERWEIGHT						
Maximum Allowable Lifting Capacities Rated Lifting Capacities in Pounds On Fully Extended Outriggers See Set Up Note 2.						
95 Ft. Main Boom + 36.5 Ft. Offset Fly						
Load Radius In Feet	1° Offset		15° Offset		30° Offset	
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°
30	76.5	16,900				
35	74.0	16,700	76.0°	11,900		
40	72.0	14,800	75.5	10,300		
45	70.0	13,700	73.5	10,700	77.0	8,700
50	67.5	12,800	71.0	10,300	74.5	8,800
55	65.0	12,100	68.5	9,600	72.0	8,000
60	62.5	10,800	66.0	8,400	69.5	7,700
65	60.0	9,200	63.5	8,900	67.0	7,400
70	57.0	7,800	61.0	8,500	64.5	7,200
75	54.0	6,700	58.0	7,300	61.5	6,900
80	51.5	5,700	55.0	6,300	58.5	6,700
85	48.0	4,900	52.0	5,400	55.5	5,800
90	45.0	4,200	49.0	4,800	52.0	5,000
95	41.5	3,500	45.5	3,900	48.5	4,200
100	38.0	2,900	41.5	3,300	44.5	3,500
105	34.0	2,400	37.5	2,700	40.0	2,900
110	29.5	2,000	33.0	2,200	35.0	2,400
115	24.5	1,600	28.0	1,800	29.0	1,600

WARNING
Do Not Lower 36.5 Ft. Offset Fly in Working Position Below 23 Degrees 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.

BOOM MODE "B" 0# 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				
40	76.0	9,500				
45	74.0	9,000				
50	72.0	8,400	77.0	6,200		
55	70.0	7,800	75.5	5,900		
60	68.5	7,300	73.5	5,600		
65	66.5	6,800	71.5	5,300	76.5	4,300
70	64.0	6,300	69.5	5,000	74.5	4,100
75	62.0	6,000	67.5	4,800	72.5	4,000
80	60.0	5,600	65.0	4,600	70.0	3,800
85	58.0	5,300	63.0	4,400	68.0	3,700
90	55.5	4,800	60.5	4,200	65.5	3,600
95	53.0	4,200	58.5	4,000	63.0	3,500
100	50.5	3,600	56.0	3,900	60.5	3,400
105	48.0	3,100	53.5	3,700	58.0	3,300
110	45.0	2,600	50.5	3,100	55.0	3,200
115	42.0	2,200	47.5	2,700	52.0	3,100
120	39.0	1,800	44.5	2,200	49.0	2,600
125	36.0	1,500	41.0	1,800	45.0	2,100
130			37.5	1,500	41.0	1,700
135					36.0	1,300

WARNING
Do Not Lower 61 Ft. Offset Fly in Working Position Below 32.5 Degrees Unless Main Boom Length Is 78 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.



BOOM MODE "B" 0# 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				
40	75.0	10,500				
45	73.0	10,500	76.5	10,100		
50	71.5	10,500	75.0	10,100	78.0°	8,700
55	69.5	10,500	73.0	10,100	76.0	8,400
60	67.5	10,500	71.0	10,100	74.0	8,100
65	65.5	8,900	69.0	9,700	71.5	7,800
70	63.0	7,500	66.5	8,300	69.5	7,600
75	60.5	6,400	64.5	7,100	67.5	7,200
80	58.5	5,400	62.0	6,100	65.0	6,700
85	56.0	4,800	59.5	5,200	62.5	5,700
90	53.5	3,900	56.5	4,400	60.0	4,300
95	50.5	3,200	54.0	3,700	57.0	4,100
100	48.0	2,700	51.5	3,100	54.0	3,500
105	45.0	2,200	48.5	2,600	51.0	2,900
110	42.0	1,700	45.5	2,100	48.0	2,300
115			42.5	1,600	44.5	1,800

WARNING
Do Not Lower 36.5 Ft. Offset Fly in Working Position Below 39.5 Degrees Unless Main Boom Length is 86 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

* This capacity based on maximum obtainable boom angle.

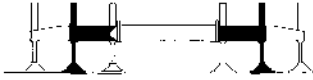
BOOM MODE "B" 0# COUNTERWEIGHT						
Maximum Allowable Lifting Capacities Rated Lifting Capacities in Pounds On Fully Extended Outriggers See Set Up Note 2.						
115 Ft. Main Boom + 61 Ft. Offset Fly						
Load Radius In Feet	1° Offset		15° Offset		30° Offset	
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°
40	77.5	7,200				
45	76.0	7,100				
50	74.5	7,100				
55	73.0	7,100				
60	71.5	7,100	76.5	6,000		
65	70.0	7,100	75.0	5,700		
70	68.5	7,100	73.5	5,400		
75	67.0	6,700	71.5	5,200	76.0	4,200
80	65.5	6,100	69.5	4,900	74.0	4,000
85	63.5	5,200	68.0	4,700	72.0	3,900
90	61.0	4,500	66.0	4,500	70.5	3,800
95	59.0	3,800	64.5	4,400	68.5	3,700
100	57.0	3,200	62.0	3,900	66.5	3,600
105	54.5	2,700	60.0	3,400	64.5	3,500
110	52.5	2,300	57.5	2,800	62.5	3,400
115	50.0	1,800	55.0	2,400	60.0	2,900
120	48.0	1,500	53.0	2,000	57.0	2,400
125			50.5	1,600	54.5	2,000
130					51.5	1,600

WARNING
Do Not Lower 61 Ft. Offset Fly in Working Position Below 44.5 Degrees Unless Main Boom Length is 78 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

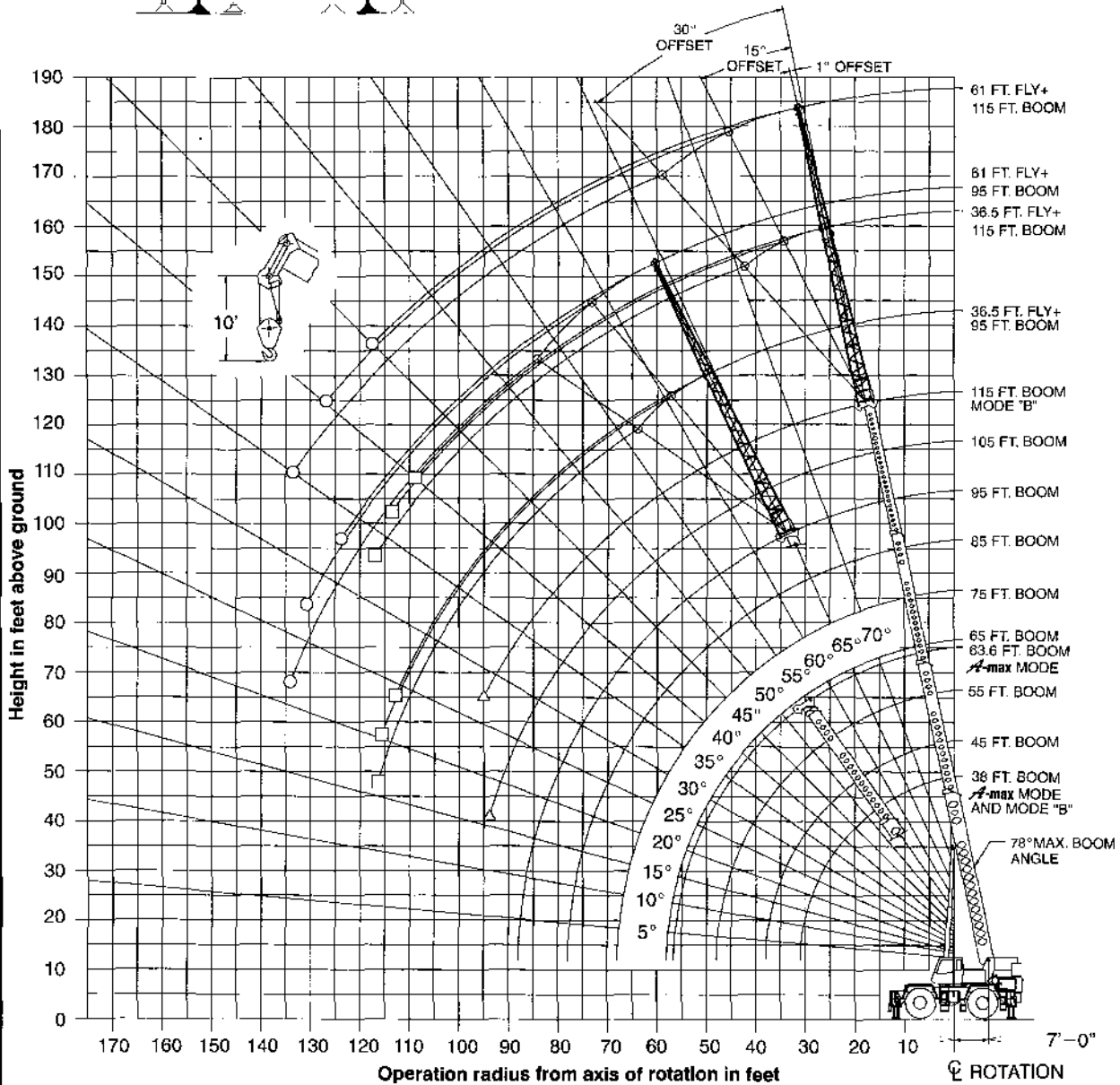
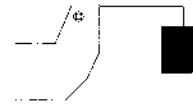
Note: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.

WORKING RANGE DIAGRAM

Working Range Diagram On Intermediate Extended Outriggers



12,000# Counterweight



- Denotes Main Boom + 61' Fly-Boom Mode "B"
- Denotes Main Boom + 36.5' 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 As Shown In The Above Chart For The Boom Lengths Shown. Loss Of Stability Will Occur Causing A Tipping Condition.

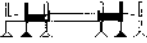
Intermediate Extended Outriggers - Main Boom Capacities (12,000 lb. counterweight)

Maximum Allowable Lifting Capacities Rated Lifting Capacities in Pounds On Intermediate Extended Outriggers See Set Up Note 2.					
38 Ft. To 45 Ft. Main Boom					
Load Radius In Feet	38 Ft.		45 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
10	67.0	119,500	71.0	87,400	10
12	64.0	105,800	68.5	87,400	12
15	58.5	89,900	64.0	87,400	15
20	48.5	60,000	56.5	59,200	20
25	36.5	39,500	48.0	38,800	25
30	17.5	28,300	38.0	27,800	30
35			24.5	20,800	35
Min. Boom Angle/Cap.	0°	26,300	0°	17,600	Min. Boom Angle/Cap.

Maximum Allowable Lifting Capacities Rated Lifting Capacities in Pounds On Intermediate Extended Outriggers See Set Up Note 2.					
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°	Loaded Boom Angle (Deg.)	360°	
10	76.0	85,600			10
12	73.0	85,600	75.5	56,300	12
15	69.5	85,600	73.0	56,300	15
20	63.5	58,300	68.0	58,000	20
25	57.5	38,100	62.5	37,700	25
30	50.5	27,100	57.0	26,800	30
35	43.0	20,900	51.5	19,900	35
40	34.0	15,800	45.0	15,200	40
45	22.0	12,100	38.0	11,300	45
50			29.0	9,200	50
55			15.5	7,100	55
Min. Boom Angle/Cap.	0°	10,400	0°	6,500	Min. Boom Angle/Cap.

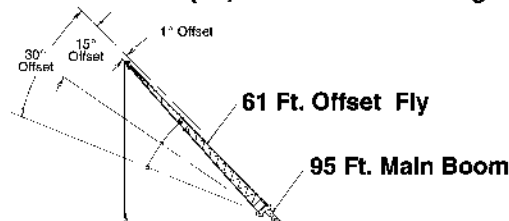
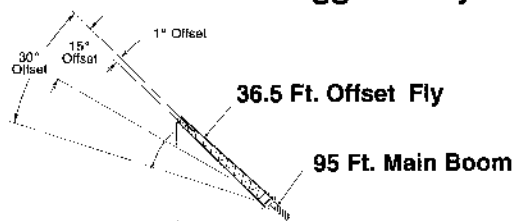
		Maximum Allowable Lifting Capacities Rated Lifting Capacities in Pounds On Intermediate Extended Outriggers See Set Up Note 2.					
38 Ft. To 55 Ft. Main Boom							
Load Radius In Feet	38 Ft.		45 Ft.		55 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
10	67.0	119,500	71.0	42,000	74.5	42,000	10
12	64.0	105,800	68.0	42,000	72.5	42,000	12
15	58.5	89,900	64.0	42,000	69.0	42,000	15
20	48.5	60,000	56.5	42,000	63.5	42,000	20
25	36.5	39,500	48.0	40,100	57.0	40,600	25
30	17.5	28,300	38.0	28,900	50.5	29,500	30
35			24.5	21,900	43.0	22,500	35
40					34.0	17,800	40
45					22.0	14,100	45
Min. Boom Angle/Cap.	0°	26,300	0°	18,700	0°	12,300	Min. Boom Angle/Cap.

65 Ft. To 85 Ft. Main Boom							
Load Radius In Feet	65 Ft.		75 Ft.		85 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
12	75.5	42,000					12
15	73.0	42,000	75.5	42,000	77.5	42,000	15
20	68.0	42,000	71.5	42,000	74.5	42,000	20
25	63.0	41,000	67.5	41,200	71.0	41,400	25
30	58.0	29,900	63.0	30,000	67.0	30,200	30
35	52.5	22,800	58.5	23,000	63.0	23,200	35
40	46.0	17,900	53.5	18,200	59.0	18,300	40
45	39.5	14,400	48.5	14,600	54.5	14,800	45
50	31.0	11,800	43.0	12,000	50.5	12,100	50
55	20.0	9,600	36.5	9,800	45.5	10,000	55
60			29.0	8,200	40.5	8,300	60
65			18.5	6,700	34.5	6,900	65
70					27.5	5,700	70
75					17.5	4,700	75
Min. Boom Angle/Cap.	0°	8,500	0°	6,000	0°	4,200	Min. Boom Angle/Cap.

		Maximum Allowable Lifting Capacities Rated Lifting Capacities in Pounds On Intermediate Extended Outriggers See Set Up Note 2.					
95 Ft. To 115 Ft. Main Boom							
Load Radius In Feet	95 Ft.		105 Ft.		115 Ft.		Load Radius Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
20	76.5	38,700					20
25	73.5	34,300	75.5	30,400	77.0	24,500	25
30	70.0	26,500	72.5	27,000	74.5	24,500	30
35	66.5	23,300	69.5	23,400	72.0	22,800	35
40	63.0	18,400	66.5	18,500	69.0	18,600	40
45	59.5	14,900	63.0	15,900	66.0	15,000	45
50	55.5	12,300	60.0	12,400	63.0	12,400	50
55	51.5	10,100	56.5	10,200	60.0	10,300	55
60	47.5	8,400	53.0	8,500	57.0	8,600	60
65	43.0	7,000	49.0	7,100	54.0	7,200	65
70	38.0	5,800	45.5	5,900	50.5	6,000	70
75	32.5	4,800	41.0	4,900	47.0	5,000	75
80	26.0	4,000	36.5	4,000	43.5	4,100	80
85	18.5	3,200	31.0	3,300	39.5	3,400	85
90			25.0	2,600	35.0	2,700	90
95					30.0	2,100	95
Min. Boom Angle/Cap.	0°	2,800	16.0°		27.5°		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.

Intermediate Extended Outriggers - Fly Capacities - Boom Mode "B" (12,000 lb. Counterweight)

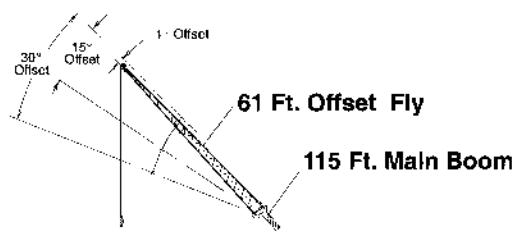
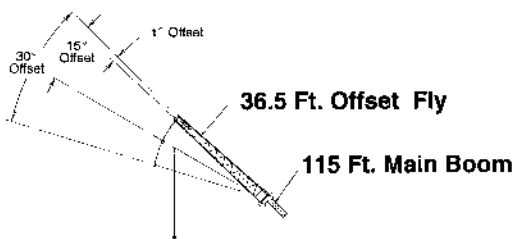


BOOM MODE "B" 12,000# COUNTERWEIGHT						
Maximum Allowable Lifting Capacities Rated Lifting Capacities In Pounds On Intermediate Extended Outriggers See Set Up Note 2.						
95 Ft. Main Boom + 36.5 Ft. Offset Fly						
Load Radius In Feet	1° Offset		15° Offset		30° Offset	
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°
30	76.5	15,900				30
35	74.0	15,700	78.0°	11,900		35
40	72.0	14,800	75.5	11,300		40
45	70.0	13,700	73.5	10,700	77.0	8,700
50	67.5	12,800	71.0	10,300	74.5	8,300
55	65.0	11,600	68.5	9,800	72.0	8,000
60	62.5	9,900	66.0	9,400	69.5	7,700
65	59.5	8,400	63.5	8,900	67.0	7,400
70	57.0	7,200	61.0	7,900	64.5	7,200
75	54.0	6,200	58.0	6,800	61.5	6,900
80	51.0	5,300	55.0	5,800	58.5	6,300
85	48.0	4,500	52.0	5,000	55.5	5,400
90	45.0	3,800	48.5	4,200	52.0	4,600
95	41.5	3,200	45.5	3,600	48.5	3,800
100	38.0	2,700	41.5	3,000	44.5	3,300
105	34.0	2,200	37.5	2,500	40.0	2,700
110	29.5	1,600	33.0	2,000	35.0	2,200
115			28.0	1,600	29.0	1,700

BOOM MODE "B" 12,000# COUNTERWEIGHT						
Maximum Allowable Lifting Capacities Rated Lifting Capacities In Pounds On Intermediate 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	8,500				35
40	76.0	8,500				40
45	74.0	8,000				45
50	72.0	8,400	77.0	6,200		50
55	70.0	7,800	75.5	5,900		55
60	68.5	7,300	73.5	5,800		60
65	66.5	6,800	71.5	5,300	76.5	4,300
70	64.0	6,300	69.5	5,000	74.5	4,100
75	62.0	6,000	67.5	4,800	72.5	4,000
80	60.0	5,600	65.0	4,600	70.0	3,800
85	58.0	5,100	63.0	4,400	68.0	3,700
90	55.5	4,500	60.5	4,200	65.5	3,600
95	53.0	3,800	58.5	4,000	63.0	3,500
100	50.5	3,300	56.0	3,900	60.5	3,400
105	47.5	2,800	53.5	3,400	58.0	3,300
110	45.0	2,400	50.5	2,900	55.0	3,200
115	42.0	2,000	47.5	2,400	52.0	2,800
120	39.0	1,600	44.5	2,000	48.5	2,400
125	36.0	1,300	41.0	1,600	45.0	1,900
130			37.5	1,300	41.0	1,500

WARNING
Do Not Lower 36.5 Ft. Offset Fly In Working Position Below 24 Degrees Unless Main Boom Length Is 86 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.
* This capacity based on maximum obtainable boom angle.

WARNING
Do Not Lower 61 Ft. Offset Fly In Working Position Below 33 Degrees Unless Main Boom Length Is 78 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.



BOOM MODE "B" 12,000# COUNTERWEIGHT						
Maximum Allowable Lifting Capacities Rated Lifting Capacities In Pounds On Intermediate 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	78.5	10,300		45
50	71.5	10,500	75.0	10,100	78.0°	9,700
55	69.5	10,500	73.0	10,100	78.0	8,400
60	67.5	9,600	71.0	10,100	74.0	8,100
65	65.0	8,100	69.0	9,000	71.5	7,800
70	63.0	6,900	66.5	7,700	69.5	7,600
75	60.5	5,900	64.0	6,800	67.5	7,200
80	58.0	5,000	61.5	5,600	65.0	6,200
85	55.5	4,200	59.0	4,800	62.5	5,300
90	53.0	3,600	56.5	4,100	59.5	4,500
95	50.5	3,000	54.0	3,400	57.0	3,800
100	48.0	2,400	51.0	2,800	54.0	3,200
105	45.0	2,000	48.5	2,300	51.0	2,600
110	42.0	1,500	45.5	1,900	48.0	2,100
115					44.5	1,700

BOOM MODE "B" 12,000# COUNTERWEIGHT						
Maximum Allowable Lifting Capacities Rated Lifting Capacities In Pounds On Intermediate 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	73.5	5,400	77.5	4,300
75	67.0	6,700	71.5	5,200	76.0	4,200
80	65.0	5,600	69.5	4,900	74.0	4,000
85	63.0	4,800	68.0	4,700	72.0	3,900
90	61.0	4,100	66.0	4,500	70.5	3,800
95	58.0	3,500	64.0	4,200	68.5	3,700
100	56.5	2,900	62.0	3,600	66.5	3,600
105	54.5	2,500	59.5	3,100	64.5	3,500
110	52.5	2,000	57.5	2,600	62.0	3,100
115	50.0	1,600	55.0	2,200	59.5	2,700
120	48.0	1,300	52.5	1,800	57.0	2,200
125			50.5	1,400	54.5	1,800
130					51.5	1,400

WARNING
Do Not Lower 36.5 Ft. Offset Fly In Working Position Below 40 Degrees Unless Main Boom Length Is 86 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.
* This capacity based on maximum obtainable boom angle.

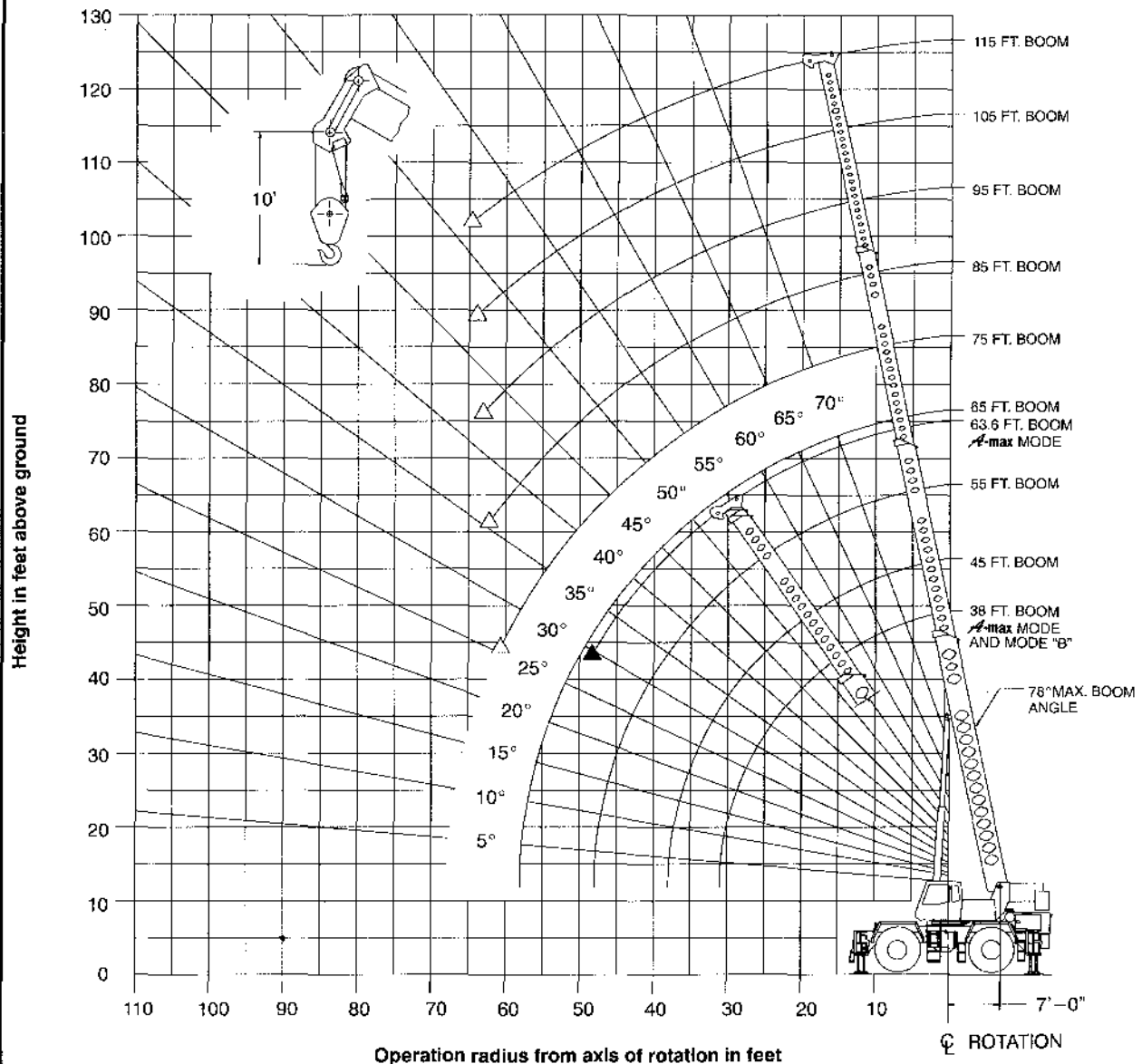
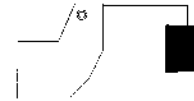
WARNING
Do Not Lower 61 Ft. Offset Fly In Working Position Below 45 Degrees Unless Main Boom Length Is 78 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

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

WORKING RANGE DIAGRAM

**Working Range Diagram
On Fully Retracted
Outriggers**

12,000# Counterweight



△ Denotes Main Boom—Boom Mode "B"

▲ Denotes Main Boom—A-max Mode


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.

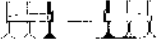



WARNING


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

Fully Retracted Outriggers - Main Boom Capacities (12,000 lb. Counterweight)

 Maximum Allowable Lifting Capacities Rated Lifting Capacities in Pounds On Fully Retracted Outriggers See Set Up Note 2. 12,000# 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°	Loaded Boom Angle (Deg.)	360°	
10	67.0	97,800	71.0	87,400	10
12	63.5	67,500	68.5	66,600	12
15	58.5	44,900	64.0	44,200	15
20	48.5	27,300	56.5	26,700	20
25	36.5	18,500	48.0	18,000	25
30	17.5	13,100	38.0	12,700	30
35			24.5	9,200	35
Min. Boom Angle/Cap.	0°	12,200	0°	7,500	Min. Boom Angle/Cap.

 Maximum Allowable Lifting Capacities Rated Lifting Capacities in Pounds On Fully Retracted Outriggers See Set Up Note 2. 12,000# 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°	Loaded Boom Angle (Deg.)	360°	
10	75.0	85,600			10
12	72.5	65,700	75.5	58,300	12
15	68.0	43,400	72.5	43,000	15
20	63.5	26,100	67.5	25,700	20
25	57.0	17,500	62.5	17,100	25
30	50.5	12,300	57.0	12,000	30
35	43.0	8,800	51.0	8,500	35
40	34.0	6,300	45.0	6,100	40
45	22.0	4,400	37.5	4,200	45
Min. Boom Angle/Cap.	0°	3,400	29.5°		Min. Boom Angle/Cap.

 Maximum Allowable Lifting Capacities Rated Lifting Capacities in Pounds On Fully Retracted Outriggers See Set Up Note 2. BOOM MODE "B" 12,000# COUNTERWEIGHT							
38 Ft. To 55 Ft. Main Boom							
Load Radius In Feet	38 Ft.		45 Ft.		55 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
10	67.0	97,800	71.0	42,000	74.5	42,000	10
12	63.5	67,500	68.0	42,000	72.5	42,000	12
15	58.5	44,900	64.0	42,000	69.0	42,000	15
20	48.5	27,300	56.5	27,800	63.5	28,200	20
25	36.5	18,500	48.0	18,900	57.0	19,400	25
30	17.5	13,100	38.0	13,600	50.5	14,000	30
35			24.5	10,100	43.0	10,500	35
40					34.0	8,000	40
45					21.5	6,000	45
Min. Boom Angle/Cap.	0°	12,200	0°	8,400	0°	5,000	Min. Boom Angle/Cap.

 Maximum Allowable Lifting Capacities Rated Lifting Capacities in Pounds On Fully Retracted Outriggers See Set Up Note 2. BOOM MODE "B" 12,000# COUNTERWEIGHT							
95 Ft. To 115 Ft. Main Boom							
Load Radius In Feet	95 Ft.		105 Ft.		115 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
20	76.0						20
25	72.5	28,900	75.0	20,100	76.5	20,200	25
30	69.5	14,700	71.5	14,700	73.5	14,800	30
35	66.0	11,200	69.5	11,300	71.0	11,300	35
40	62.5	8,600	65.5	8,700	68.0	8,800	40
45	59.0	6,700	62.5	6,800	65.5	6,800	45
50	55.0	5,200	59.0	5,300	62.5	5,300	50
55	51.5	4,000	56.0	4,100	59.5	4,100	55
60	47.0	3,000	52.5	3,100	56.5	3,200	60
65			48.5	2,300	53.5	2,400	65
Min. Boom Angle/Cap.	42.5°		47.5°		51.5°		Min. Boom Angle/Cap.

65 Ft. To 85 Ft. Main Boom							
Load Radius In Feet	65 Ft.		75 Ft.		85 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
12	75.5	42,000					12
15	72.5	42,000	75.5	42,000	77.5	42,000	15
20	68.0	28,500	71.0	28,700	74.0	28,800	20
25	63.0	19,600	67.0	19,800	70.0	20,000	25
30	57.5	14,300	62.5	14,500	68.5	14,800	30
35	52.0	10,800	58.0	11,000	62.5	11,100	35
40	46.0	8,200	53.5	8,400	58.5	8,500	40
45	39.0	6,300	48.0	6,500	54.5	6,600	45
50	31.0	4,800	42.5	5,000	50.0	5,100	50
55	20.0	3,600	36.5	3,800	45.0	3,900	55
60			29.0	2,800	40.0	3,000	60
Min. Boom Angle/Cap.	0°	3,000	25.5°		35.5°		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.

On Tires (29.5 x 25 - 28 Ply) - Main Boom Capacities (12,000 lb. Counterweight)

On Tire Capacities In Pounds Stationary Capacities - Over Front - Between Tire Tracks Tire Pressure: See Page 5. See Operation Note 19. 12,000# COUNTERWEIGHT					
38 Ft. To 45 Ft. Main Boom					
Load Radius In Feet	38 Ft.		45 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	Load	Loaded Boom Angle (Deg.)	Load	
10	67.0	71,400			10
12	63.5	63,000			12
15	58.5	53,400	64.0	52,800	15
20	48.5	39,500	56.5	38,800	20
25	36.5	26,400	48.0	25,900	25
30	17.5	19,000	38.0	18,600	30
35			24.5	13,800	35
Min. Boom Angle/Cap.	0°	17,800	0°	11,500	Min. Boom Angle/Cap.

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.)	Load	Loaded Boom Angle (Deg.)	Load	
20	63.5	38,200			20
25	57.0	25,400	62.5	25,000	25
30	50.5	18,100	57.0	17,700	30
35	43.0	13,300	51.0	13,000	35
40	34.0	10,100	45.0	9,800	40
45	22.0	7,600	37.5	7,400	45
50			29.0	5,500	50
55			15.5	4,000	55
Min. Boom Angle/Cap.	0°	6,300	0°	3,500	Min. Boom Angle/Cap.

On Tire Capacities In Pounds Pick & Carry Capacities - (1MPH) Boom Centered Over Front Tire Pressure: See Page 5. See Operation Note 19. 12,000# COUNTERWEIGHT					
38 Ft. To 45 Ft. Main Boom					
Load Radius In Feet	38 Ft.		45 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	Load	Loaded Boom Angle (Deg.)	Load	
10	67.0	69,000			10
12	63.5	60,200			12
15	58.5	50,100	64.0	49,600	15
20	48.5	38,400	56.5	37,900	20
25	36.5	26,400	48.0	25,900	25
30	17.5	19,000	38.0	18,600	30
35			24.5	13,800	35
Min. Boom Angle/Cap.	0°	17,800	0°	11,500	Min. Boom Angle/Cap.

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.)	Load	Loaded Boom Angle (Deg.)	Load	
20	63.5	37,400			20
25	57.0	25,400	62.5	25,000	25
30	50.5	18,100	57.0	17,700	30
35	43.0	13,300	51.0	13,000	35
40	34.0	10,100	45.0	9,800	40
45	22.0	7,600	37.5	7,400	45
50			29.0	5,500	50
55			15.5	4,000	55
Min. Boom Angle/Cap.	0°	6,300	0°	3,500	Min. Boom Angle/Cap.

On Tire Capacities In Pounds Stationary Capacities - Over Front - Between Tire Tracks Tire Pressure: See Page 5. See Operation Note 19. BOOM MODE "B" 12,000# COUNTERWEIGHT							
38 Ft. To 55 Ft. Main Boom							
Load Radius In Feet	38 Ft.		45 Ft.		55 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	Load	Loaded Boom Angle (Deg.)	Load	Loaded Boom Angle (Deg.)	Load	
10	67.0	71,400					10
12	63.5	63,000					12
15	58.5	53,400	64.0	42,000			15
20	48.5	39,500	56.5	40,000	63.5	40,500	20
25	36.5	26,400	48.0	27,000	57.0	27,400	25
30	17.5	19,000	38.0	19,500	50.5	20,000	30
35			24.5	14,700	43.0	15,100	35
40					34.0	11,800	40
45					22.0	9,300	45
Min. Boom Angle/Cap.	0°	17,800	0°	12,500	0°	8,000	Min. Boom Angle/Cap.

65 Ft. To 85 Ft. Main Boom							
Load Radius In Feet	65 Ft.		75 Ft.		85 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	Load	Loaded Boom Angle (Deg.)	Load	Loaded Boom Angle (Deg.)	Load	
25	63.0	27,700					25
30	57.5	20,300	63.0	20,500			30
35	52.0	15,400	58.0	15,600	62.5	15,700	35
40	46.0	12,100	53.5	12,300	58.5	12,400	40
45	39.0	9,800	48.5	9,800	54.5	9,900	45
50	31.0	7,600	42.5	7,800	50.0	8,000	50
55	20.0	6,100	36.5	6,300	45.5	6,400	55
60			29.0	5,000	40.0	5,200	60
65			18.5	4,000	34.0	4,200	65
70					27.0	3,300	70
75					17.5	2,500	75
Min. Boom Angle/Cap.	0°	5,300	0°	3,500	16.5°		Min. Boom Angle/Cap.

On Tire Capacities In Pounds Pick & Carry Capacities - (1MPH) Boom Centered Over Front Tire Pressure: See Page 5. See Operation Note 19. BOOM MODE "B" 12,000# COUNTERWEIGHT							
38 Ft. To 55 Ft. Main Boom							
Load Radius In Feet	38 Ft.		45 Ft.		55 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	Load	Loaded Boom Angle (Deg.)	Load	Loaded Boom Angle (Deg.)	Load	
10	67.0	69,000					10
12	63.5	60,200					12
15	58.5	50,100	64.0	42,000			15
20	48.5	38,400	56.5	38,400	63.5	38,400	20
25	36.5	26,400	48.0	27,000	57.0	27,400	25
30	17.5	19,000	38.0	19,500	50.5	20,000	30
35			24.5	14,700	43.0	15,100	35
40					34.0	11,800	40
45					22.0	9,300	45
Min. Boom Angle/Cap.	0°	17,800	0°	12,500	0°	8,000	Min. Boom Angle/Cap.

65 Ft. To 85 Ft. Main Boom							
Load Radius In Feet	65 Ft.		75 Ft.		85 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	Load	Loaded Boom Angle (Deg.)	Load	Loaded Boom Angle (Deg.)	Load	
25	63.0	27,700					25
30	57.5	20,300	63.0	20,500			30
35	52.0	15,400	58.0	15,600	62.5	15,700	35
40	46.0	12,100	53.5	12,300	58.5	12,400	40
45	39.0	9,800	48.5	9,800	54.5	9,900	45
50	31.0	7,600	42.5	7,800	50.0	8,000	50
55	20.0	6,100	36.5	6,300	45.5	6,400	55
60			29.0	5,000	40.0	5,200	60
65			18.5	4,000	34.0	4,200	65
70					27.0	3,300	70
75					17.5	2,500	75
Min. Boom Angle/Cap.	0°	5,300	0°	3,500	16.5°		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.

On Tire Capacities In Pounds Tire Pressure: See Page 5. Stationary Capacities - 360 Degree See Operation Note 19.					
A-MAX Mode 12,000# COUNTERWEIGHT					
38 Ft. To 45 Ft. Main Boom					
Load Radius In Feet	38 Ft.		45 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	Load	Loaded Boom Angle (Deg.)	Load	
10	67.0	55,300			10
12	63.6	44,800			12
15	58.5	30,800	64.0	30,200	15
20	48.5	19,000	56.5	18,500	20
25	36.5	12,700	48.0	12,300	25
30	17.5	8,700	38.0	8,400	30
35			24.5	5,700	35
Min. Boom Angle/Cap.	0°	8,000	0°	4,400	Min. Boom Angle/Cap.

WARNING

Do not raise the boom above 70 degrees. Loss of backward stability will occur causing a tipping situation.

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.)	Load	Loaded Boom Angle (Deg.)	Load	
20	63.5	18,000			20
25	57.0	11,800	62.0	11,500	25
30	50.5	7,800	57.0	7,700	30
35	43.0	5,300	51.0	5,100	35
40	34.0	3,400	44.5	3,200	40
Min. Boom Angle/Cap.	23.0°		42.0°		Min. Boom Angle/Cap.

WARNING

Do not raise the boom above 70 degrees. Loss of backward stability will occur causing a tipping situation.

On Tire Capacities In Pounds Tire Pressure: See Page 5. Stationary Capacities - 360 Degree See Operation Note 19.							
BOOM MODE "B" 12,000# COUNTERWEIGHT							
38 Ft. To 55 Ft. Main Boom							
Load Radius In Feet	38 Ft.		45 Ft.		55 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	Load	Loaded Boom Angle (Deg.)	Load	Loaded Boom Angle (Deg.)	Load	
10	67.0	65,300					10
12	63.5	44,500					12
15	58.5	30,800	64.0	31,300			15
20	48.5	19,000	56.5	19,500	63.0	19,900	20
25	36.5	12,700	48.0	13,100	57.0	13,500	25
30	17.5	8,700	38.0	9,200	50.5	9,600	30
35			24.5	8,500	43.0	6,900	35
40					34.0	5,000	40
45					21.5	3,500	45
Min. Boom Angle/Cap.	0°	8,000	0°	5,200	0°	2,700	Min. Boom Angle/Cap.

WARNING

Do not raise the boom above 70 degrees. Loss of backward stability will occur causing a tipping situation.

65 Ft. To 85 Ft. Main Boom							
Load Radius In Feet	65 Ft.		75 Ft.		85 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	Load	Loaded Boom Angle (Deg.)	Load	Loaded Boom Angle (Deg.)	Load	
20							20
25	63.0	13,800					25
30	57.5	9,900	62.5	10,100			30
35	52.0	7,200	58.0	7,400	62.5	7,500	35
40	46.0	5,200	53.5	6,400	58.5	5,500	40
45	39.0	3,700	48.0	3,800	54.0	4,000	45
50	31.0	2,600	42.5	2,700	50.0	2,800	50
Min. Boom Angle/Cap.	28.0°		39.5°		46.0°		Min. Boom Angle/Cap.

WARNING

Do not raise the boom above 70 degrees. Loss of backward stability will occur causing a tipping situation.

On Tires (29.5R25 - XHA) - Main Boom Capacities (12,000 lb. Counterweight)

On Tire Capacities In Pounds Stationary Capacities - Over Front - Between Tire Tracks Tire Pressure: See Page 5. See Operation Note 19.					
A-MAX Mode 12,000# COUNTERWEIGHT					
38 Ft. To 45 Ft. Main Boom					
Load Radius In Feet	38 Ft.		45 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	Load	Loaded Boom Angle (Deg.)	Load	
10	67.0	27,800			10
12	63.5	22,800			12
15	58.5	16,700	64.0	17,000	15
20	48.5	10,800	56.5	10,100	20
25	36.5	7,000	48.0	6,200	25
30	17.5	4,700	38.0	4,800	30
35			24.5	3,900	35
Min. Boom Angle/Cap.	0°	17,900	0°	11,700	Min. Boom Angle/Cap.

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.)	Load	Loaded Boom Angle (Deg.)	Load	
20	63.5	38,500			20
25	57.0	25,600	62.5	25,300	25
30	50.5	18,300	57.0	17,900	30
35	43.0	13,500	51.0	13,200	35
40	34.0	10,200	45.0	9,900	40
45	22.0	7,700	37.5	7,500	45
50			29.0	5,600	50
55			15.5	4,100	55
Min. Boom Angle/Cap.	0°	6,400	0°	3,800	Min. Boom Angle/Cap.

On Tire Capacities In Pounds Stationary Capacities - Over Front - Between Tire Tracks Tire Pressure: See Page 5. See Operation Note 19.							
BOOM MODE "B" 12,000# COUNTERWEIGHT							
38 Ft. To 55 Ft. Main Boom							
Load Radius In Feet	38 Ft.		45 Ft.		55 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	Load	Loaded Boom Angle (Deg.)	Load	Loaded Boom Angle (Deg.)	Load	
10	67.0	77,800					10
12	63.5	66,800					12
15	58.5	57,700	64.0	42,000			15
20	48.5	39,800	56.5	40,400	63.5	40,800	20
25	36.5	26,700	48.0	27,200	57.0	27,700	25
30	17.5	19,200	38.0	19,700	50.5	20,200	30
35			24.5	14,800	43.0	15,300	35
40					34.0	11,900	40
45					22.0	9,400	45
Min. Boom Angle/Cap.	0°	17,900	0°	12,600	0°	8,100	Min. Boom Angle/Cap.

65 Ft. To 85 Ft. Main Boom							
Load Radius In Feet	65 Ft.		75 Ft.		85 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	Load	Loaded Boom Angle (Deg.)	Load	Loaded Boom Angle (Deg.)	Load	
25	63.0	28,000					25
30	57.5	20,500	63.0	20,600			30
35	52.0	15,800	58.0	15,800	62.5	15,900	35
40	46.0	12,200	53.5	12,400	58.5	12,500	40
45	39.5	9,700	48.5	9,900	54.5	10,000	45
50	31.0	7,700	42.5	7,900	50.0	8,100	50
55	20.0	6,200	36.5	6,400	45.5	6,500	55
60			29.0	5,100	40.0	5,300	60
65			18.5	4,100	34.0	4,200	65
70					27.0	3,400	70
75					17.5	2,600	75
Min. Boom Angle/Cap.	0°	5,400	0°	3,500	15.5°		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.

On Tires (29.5R25 - XHA) - Main Boom Capacities (12,000 lb. Counterweight) con't

On Tire Capacities In Pounds Pick & Carry Capacities - (1MPH) Boom Centered Over Front Tire Pressure: See Page 5. See Operation Note 19.					
12,000# COUNTERWEIGHT					
38 Ft. To 45 Ft. Main Boom					
Load Radius In Feet	38 Ft.		45 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	Load	Loaded Boom Angle (Deg.)	Load	
10	67.0	71,500			10
12	63.5	62,500			12
15	58.5	52,000	64.0	51,600	15
20	48.5	39,800	56.5	39,100	20
25	36.5	26,700	48.0	26,200	25
30	17.5	19,200	38.0	18,800	30
35			24.5	13,900	35
Min. Boom Angle/Cap.	0°	17,900	0°	11,700	Min. Boom Angle/Cap.

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.)	Load	Loaded Boom Angle (Deg.)	Load	
20	63.5	38,500			20
25	57.0	25,600	62.5	25,300	25
30	50.5	18,300	57.0	17,900	30
35	43.0	13,500	51.0	13,200	35
40	34.0	10,200	45.0	9,800	40
45	22.0	7,700	37.5	7,500	45
50			29.0	5,600	50
55			15.5	4,100	55
Min. Boom Angle/Cap.	0°	6,400	0°	3,600	Min. Boom Angle/Cap.

On Tire Capacities In Pounds Tire Pressure: See Page 5. Stationary Capacities - 360 Degree See Operation Note 19.					
12,000# COUNTERWEIGHT					
38 Ft. To 45 Ft. Main Boom					
Load Radius In Feet	38 Ft.		45 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	Load	Loaded Boom Angle (Deg.)	Load	
10	67.0	61,000			10
12	63.5	47,800			12
15	58.5	32,900	64.0	32,200	15
20	48.5	20,300	56.5	19,800	20
25	36.5	13,600	48.0	13,100	25
30	17.5	9,400	38.0	9,100	30
35			24.5	8,300	35
Min. Boom Angle/Cap.	0°	8,700	0°	4,900	Min. Boom Angle/Cap.

WARNING
Do not raise the boom above 70 degrees. Loss of backward stability will occur causing a tipping situation.

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.)	Load	Loaded Boom Angle (Deg.)	Load	
20	63.5	19,200			20
25	57.0	12,700	62.0	12,400	25
30	50.5	8,700	57.0	8,400	30
35	43.0	5,900	51.0	5,800	35
40	34.0	3,900	45.0	3,800	40
Min. Boom Angle/Cap.	26.0°		40.0°		Min. Boom Angle/Cap.

WARNING
Do not raise the boom above 70 degrees. Loss of backward stability will occur causing a tipping situation.

On Tire Capacities In Pounds Pick & Carry Capacities - (1MPH) Boom Centered Over Front Tire Pressure: See Page 5. See Operation Note 19.							
BOOM MODE "B" 12,000# COUNTERWEIGHT							
38 Ft. To 55 Ft. Main Boom							
Load Radius In Feet	38 Ft.		45 Ft.		55 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	Load	Loaded Boom Angle (Deg.)	Load	Loaded Boom Angle (Deg.)	Load	
10	67.0	71,500					10
12	63.5	62,500					12
15	58.5	62,000	64.0	42,000			15
20	48.5	39,800	56.5	40,300	63.5	40,300	20
25	36.5	26,700	48.0	27,200	57.0	27,700	25
30	17.5	19,200	38.0	19,700	50.5	20,200	30
35			24.5	14,800	43.0	15,300	35
40					34.0	11,900	40
45					22.0	9,400	45
Min. Boom Angle/Cap.	0°	17,900	0°	12,600	0°	8,100	Min. Boom Angle/Cap.

65 Ft. To 85 Ft. Main Boom							
Load Radius In Feet	65 Ft.		75 Ft.		85 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	Load	Loaded Boom Angle (Deg.)	Load	Loaded Boom Angle (Deg.)	Load	
25	63.0	28,000					25
30	57.5	20,500	63.0	20,600			30
35	52.0	15,600	58.0	15,800	62.5	15,900	35
40	46.0	12,200	53.5	12,400	58.5	12,500	40
45	39.5	9,700	48.5	9,800	54.5	10,000	45
50	31.0	7,700	42.5	7,900	50.0	8,100	50
55	20.0	6,200	35.5	6,400	45.5	6,500	55
60			29.0	5,100	40.0	5,300	60
65			18.5	4,100	34.0	4,200	65
70					27.0	3,400	70
75					17.5	2,800	75
Min. Boom Angle/Cap.	0°	5,400	0°	3,600	15.5°		Min. Boom Angle/Cap.

On Tire Capacities In Pounds Tire Pressure: See Page 5. Stationary Capacities - 360 Degree See Operation Note 19.							
BOOM MODE "B" 12,000# COUNTERWEIGHT							
38 Ft. To 55 Ft. Main Boom							
Load Radius In Feet	38 Ft.		45 Ft.		55 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	Load	Loaded Boom Angle (Deg.)	Load	Loaded Boom Angle (Deg.)	Load	
10	67.0	61,000					10
12	63.5	47,800					12
15	58.5	32,900	64.0	33,400			15
20	48.5	20,300	56.5	20,700	63.0	21,200	20
25	36.5	13,600	48.0	14,100	57.0	14,500	25
30	17.5	9,400	38.0	9,900	50.5	10,400	30
35			24.5	7,100	43.0	7,500	35
40					34.0	5,500	40
45					21.5	3,900	45
Min. Boom Angle/Cap.	0°	8,700	0°	5,700	0°	3,100	Min. Boom Angle/Cap.

WARNING
Do not raise the boom above 70 degrees. Loss of backward stability will occur causing a tipping situation.

65 Ft. To 85 Ft. Main Boom							
Load Radius In Feet	65 Ft.		75 Ft.		85 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	Load	Loaded Boom Angle (Deg.)	Load	Loaded Boom Angle (Deg.)	Load	
25	63.0	14,700					25
30	57.5	10,600	62.5	10,900			30
35	52.0	7,800	58.0	8,000	62.5	8,100	35
40	46.0	5,700	53.5	5,900	58.5	6,000	40
45	39.0	4,200	48.0	4,300	54.5	4,500	45
50	31.0	2,900	42.5	3,100	50.0	3,200	50
Min. Boom Angle/Cap.	26.0°		37.5°		44.5°		Min. Boom Angle/Cap.

WARNING
Do not raise the boom above 70 degrees. Loss of backward stability will occur causing a tipping situation.

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

Link-Belt Construction Equipment Company Lexington, Kentucky

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