

HTC-8670LB

TELESCOPIC TRUCK CRANE
70-Ton (63.50 mt)

- 70-ton at a 9-foot radius
- 94,000 lbs. gross vehicle weight (fully loaded)
- 127-foot, full power, four-section boom with quick reeve boom head
- 67-foot, two-stage, offsettable swing-away attachment
- Fly offsets of 2, 20 and 40 degrees
- No deducts in capacity for stowed attachment
- New graphic screen MG-434 rated capacity limiter
- Full deck aluminum fenders
- On-highway 365 HP (1,350 ft. lbs.) electronic Detroit Diesel Series 60 engine
- Composite cabs and hood
- Pilot-operated hydraulic controls
- Pre-painted



Link-Belt
CONSTRUCTION EQUIPMENT

THE HTC-8670LB

ALL THE TRADITIONAL
LINK-BELT STANDARDS:
PRECISION, COMFORT,
RELIABILITY,
CONTROLLABILITY,
PLUS INDUSTRY-FIRST
TECHNOLOGY AND
INNOVATIONS



Service Continues After The Sale

When you have invested in a Link-Belt crane, you have also invested in a 125-year legacy of outstanding customer service and support. Link-Belt helps you maintain your investment with the industry's most comprehensive crane product support. Highly trained parts and service department technicians are committed to responding quickly to your downtime and get you going again ... fast!

KEY FEATURES

Base Rating

- 70-ton nominal rating

Boom

- 41 to 127 feet, full power, four-section
- Quick reeve boom head
- Maximum tip height of 200 feet

Attachments

- 39.5-foot, one-stage swing-away fly with 2, 20 and 40 degree offsets (new)
- 39.5 to 67 feet, two-stage swing-away fly with 2, 20 and 40 degree offsets (new)
No deducts in capacity for stowed attachments (new)

Counterweight

- 12,000 lbs. that is removable from superstructure
- Counterweight removal system

Winch

Grooved Drums:

- 670 feet of rope storage capacity
- 670 feet of 3/4 inch rope
- 12,920 lbs. of permissible line pull
- 451 FPM of maximum single line speed

Rated Capacity Limiter

Microguard 434 System:

- Pictographic display
- Presettable alarms
- Operator defined area alarms

Powertrain

- 365 HP, (1350 ft. lbs.) Detroit Diesel Series 60 11.1 liter engine
- Eaton RTO-14709MLL 11-speed forward and 3-speed reverse manual transmission
- Top speed of 58 MPH
- Cruise control
- Jacobs engine break

Steering

- Sheppard rack and pinion system
- 40 degree wheel cuts
- Turning radius of 45 feet

Tires

- 445/65R22.5–front and 12R22.5–rear on steel disc wheels (standard)
- 425/65R22.5–front and 12R22.5–rear on aluminum disc wheels (optional)

CALC

- Confined Area Lifting Capacities

Pre-Paint

- All components are pre-painted prior to assembly

Miscellaneous Standard Equipment

- Provisions for future winch installation
- Winch rollers
- Type "RB" wire rope
- Pilot-operated dual axis controllers
- Hand-held outrigger controls (new)
- Four points of access to the carrier deck
- Full length aluminum fenders
- Ground control outriggers
- Composite cabs and engine hood
- Full light package

Miscellaneous Optional Equipment

- Additional 4,000 lbs. of counterweight (16,000 lbs. total)
- Auxiliary lifting sheave
- Front winch package
- Pilot-operated single axis controllers
- Internal RCL load rating bar graph
- Aluminum storage boxes
- Quick reeve hook blocks
- Hook ball

Link-Belt Construction Equipment Company
Lexington, Kentucky

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Link-Belt
CONSTRUCTION EQUIPMENT

Link-Belt[®]

CONSTRUCTION EQUIPMENT

HTC – 8670 LB

CRANE RATING MANUAL
4 – SECTION POWER BOOM

SERIAL NUMBER _____

For Replacement, Order Part Number: F2P0159
(021599)

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WARNING

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

OPERATING INSTRUCTIONS

GENERAL:

1. Rated lifting capacities in pounds as shown on lift charts pertain to this crane as originally manufactured and normally equipped. Modifications to the crane or use of optional equipment other than that specified can result in a reduction of capacity.
2. Construction equipment can be dangerous if improperly operated or maintained. Operation and maintenance of this crane must be in compliance with the information in the Operator's, Parts, and Safety Manuals supplied with this crane. If these manuals are missing, order replacements through the distributor.
3. The operator and other personnel associated with this crane shall read and fully understand the latest applicable American National Standards ASME B30.5 safety standards for cranes.
4. The rated lifting capacities are based on crane standing level on firm supporting surface.

SET UP:

1. The crane shall be leveled on a firm supporting surface. Depending on the nature of the supporting surface, it may be necessary to have structural supports under the outrigger pontoons or tires to spread the load to a larger bearing surface.
2. When making lifts on outriggers, all tires must be free of supporting surface. All outrigger beams must be extended to the same length; fully retracted, intermediate extended, or fully extended. The front bumper outrigger must be properly extended.
3. When operating on fully retracted outriggers, do not exceed 67_ maximum boom angle with 16,000 lb. counterweight, or 73_ maximum boom angle with 12,000 lb. counterweight. Loss of backward stability will occur causing a backward tipping condition.
4. When making lifts on tires, they must be inflated to the recommended pressure. (See Operation note 20 and Tire Inflation.)
5. Before swinging boom to over side position on tires, or on fully retracted outriggers where capacities are not published, boom sections must be fully retracted and 50_ boom angle maintained.


6. For required parts of line, see Wire Rope Capacity and Winch Performance.
7. Before setting up on outriggers or tires, refer to Working Range Diagrams and rated lifting capacities to determine allowable crane configurations.

OPERATION:

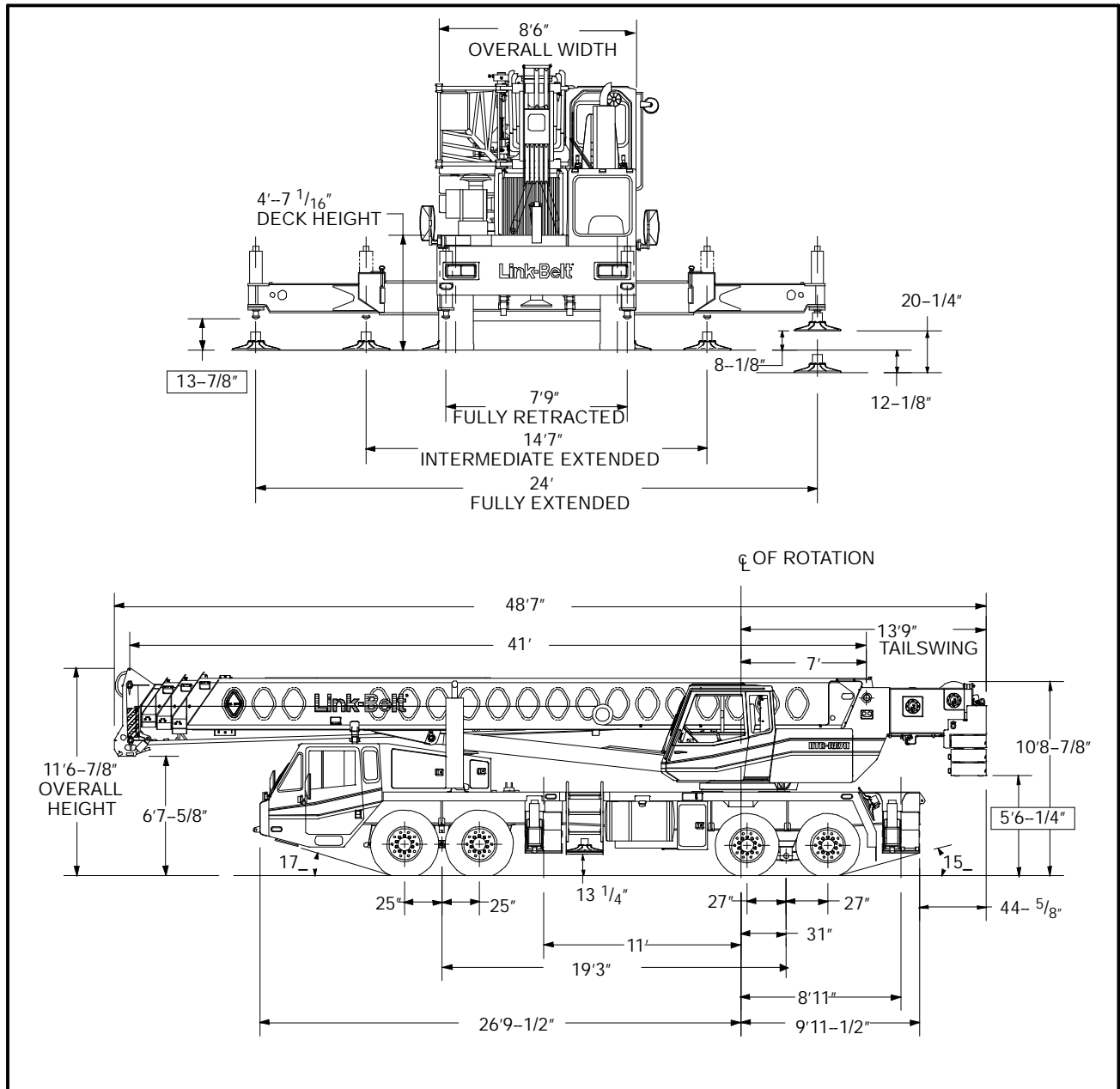
1. Rated lifting capacities at rated radius shall not be exceeded. Do not tip the crane to determine allowable loads. For concrete bucket operation, weight of bucket and load shall not exceed 80% of rated lifting capacities. For clamshell bucket operation, weight of bucket and bucket contents is restricted to a maximum weight of 7,000 pounds or 80% of rated lifting capacity, whichever is less. For magnet operation, weight of magnet and load is restricted to a maximum weight of 7,000 pounds or 80% of rated lifting capacity, whichever is less. For clamshell and magnet operation, maximum boom length is restricted to 60 ft. and the boom angle is restricted to a minimum of 35 degrees. Lifts with either fly erected is prohibited for both clam and magnet operation.
2. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads. Rated lifting capacities shown on intermediate extended or fully retracted outriggers are determined by the formula, rated load = (tipping load - 0.1 X load factor)/1.25. Rated lifting capacities shown on tires do not exceed 75% of the tipping loads. Tipping loads are determined by SAE crane stability test code J-765.
3. Rated lifting capacities in the shaded areas are based on structural strength or hydraulic limitations and have been tested to meet minimum requirements of SAE J-1063 cantilevered boom crane structures - method of test. The rated lifting capacities in non-shaded areas are based on stability ratings. Some capacities are limited by a maximum obtainable 78_ boom angle.
4. Rated lifting capacities include the weight of the hook ball/block, slings, bucket, magnet and auxiliary lifting devices. Their weights must be subtracted from the listed rated capacity to obtain the net load which can be lifted. Rated lifting capacities include the deduct for either fly stowed on the base of the boom. For deducts of either fly

- erected, but not used, see Capacity Deductions For Auxiliary Load Handling Equipment.
5. Rated lifting capacities are based on freely suspended loads. No attempt shall be made to move a load horizontally on the ground in any direction.
 6. Rated lifting capacities are for lift crane service only.
 7. Do not operate at radii or boom lengths (minimum or maximum) where capacities are not listed. At these positions, the crane can tip or cause boom failure.
 8. The maximum loads which can be telescoped are not definable because of variation in loadings and crane maintenance, but it is permissible to attempt retraction and extension within the limits of the applicable load rating chart.
 9. For main boom capacities when either boom length or radius or both are between values listed, proceed as follows:
 - a. For boom lengths not listed, use rating for next longer boom length or next shorter boom length, whichever is smaller.
 - b. For load radii not listed, use rating for next larger radius.
 10. The user shall operate at reduced ratings to allow for adverse job conditions, such as: soft or uneven ground, out of level conditions, wind, side loads, pendulum action, jerking or sudden stopping of loads, hazardous conditions, experience of personnel, traveling with loads, electrical wires, etc. Side load on boom or fly is dangerous and shall be avoided.
 11. Rated lifting capacities do not account for wind on suspended load or boom. Rated capacities and boom length shall be appropriately reduced as wind velocity approaches 20 mph.
 12. When making lifts with auxiliary head machinery, the effective length of the boom increases by 2 ft.
 13. Power sections of boom must be extended in accordance with boom mode "A" or "B". In boom mode "B" all power sections must be extended or retracted equally.
 14. The least stable rated working area depends on the configuration of the crane set up.
 15. Rated lifting capacities are based on correct reeving. Deduction must be made for excessive reeving. Any reeving over minimum required (see Wire Rope Capacity) is considered excessive and must be accounted for when making lifts. Use Working Range Diagram to estimate the extra feet of rope then deduct 1 lb. for each extra foot of wire rope before attempting to lift a load.
 16. The loaded boom angle combined with the boom length give only an approximation of the operating radius. The boom angle, before loading, should be greater to account for deflection. For main boom capacities, the loaded boom angle is for reference only. For fly capacities, the load radius is for reference only.
 17. For fly capacities with main boom length less than 127 ft. and greater than 100 ft., the rated capacities are determined by the boom angle using the 127 ft. boom and fly chart. For angles not shown use the next lower boom angle to determine the rated capacity.
 18. For fly capacities with main boom length less than 100 ft., the rated capacities are determined by the boom angle only using the 100 ft. boom and fly chart. For angles not shown, use the next lower boom angle to determine the rated capacity.
 19. The 41 ft. boom length structural lifting capacities are based on boom fully retracted. If the boom is not fully retracted, do not exceed capacities shown for the 50 ft. boom length.
 20. Rated lifting capacities on tires depend on tire capacity, condition of tires, and tire air pressure. On tire capacities require lifting from main boom head only on a smooth and level surface. The boom must be centered over the rear of the crane with two position travel swing lock engaged and the load must be restrained from swinging. Pick and carry operations are restricted to maximum speed of 1 mph. For correct tire pressure, see Tire Inflation.

DEFINITIONS:

1. Load Radius: Horizontal distance from a projection of the axis of rotation to the supporting surface, before loading, to the center of the vertical hoist line or tackle with load applied.
2. Loaded Boom Angle:  The angle between the boom base section and horizontal with freely suspended load at the rated radius.
3. Working Area: Area measured in a circular arc about the center line of rotation as shown on the Working Area Diagram.
4. Freely Suspended Load: Load hanging free with no direct external force applied except by the hoist line.
5. Side Load: Horizontal side force applied to the lifted load either on the ground or in the air.
6. No Load Stability Limit: The radius or boom angle beyond which it is not permitted to position the boom because the crane can overturn without any load on the hook.
7. Load Factor: Load applied at the boom tip which gives the same moment effect as the boom mass.

GENERAL DIMENSIONS



TIRE INFLATION

| Tire Size | Operation | Tire Pressure (PSI) |
|-----------|------------|---------------------|
| 12 R 22.5 | 1 MPH | 120 |
| | Stationary | 120 |

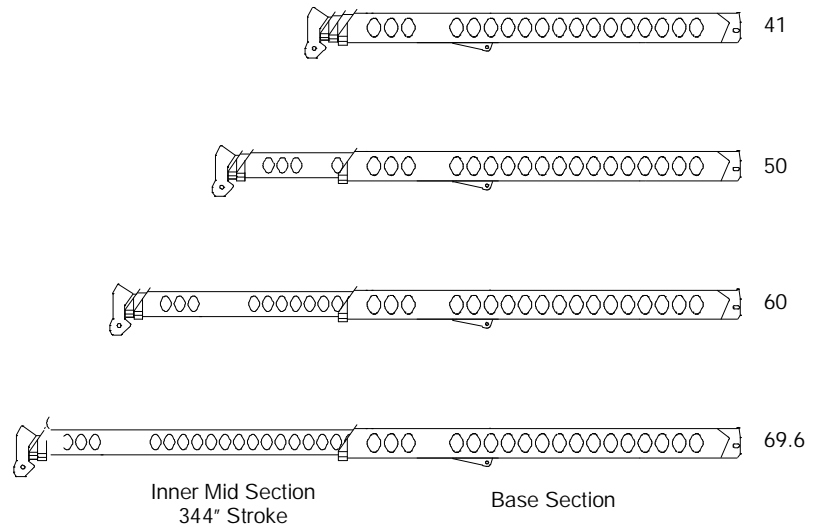
PONTOON LOADINGS

| Maximum Pontoon Load: | Maximum Pontoon Ground Bearing Pressure: |
|-----------------------|--|
| 97,400 Lbs. | 215 PSI |

Boom Mode "A"

Only inner mid section telescopes.

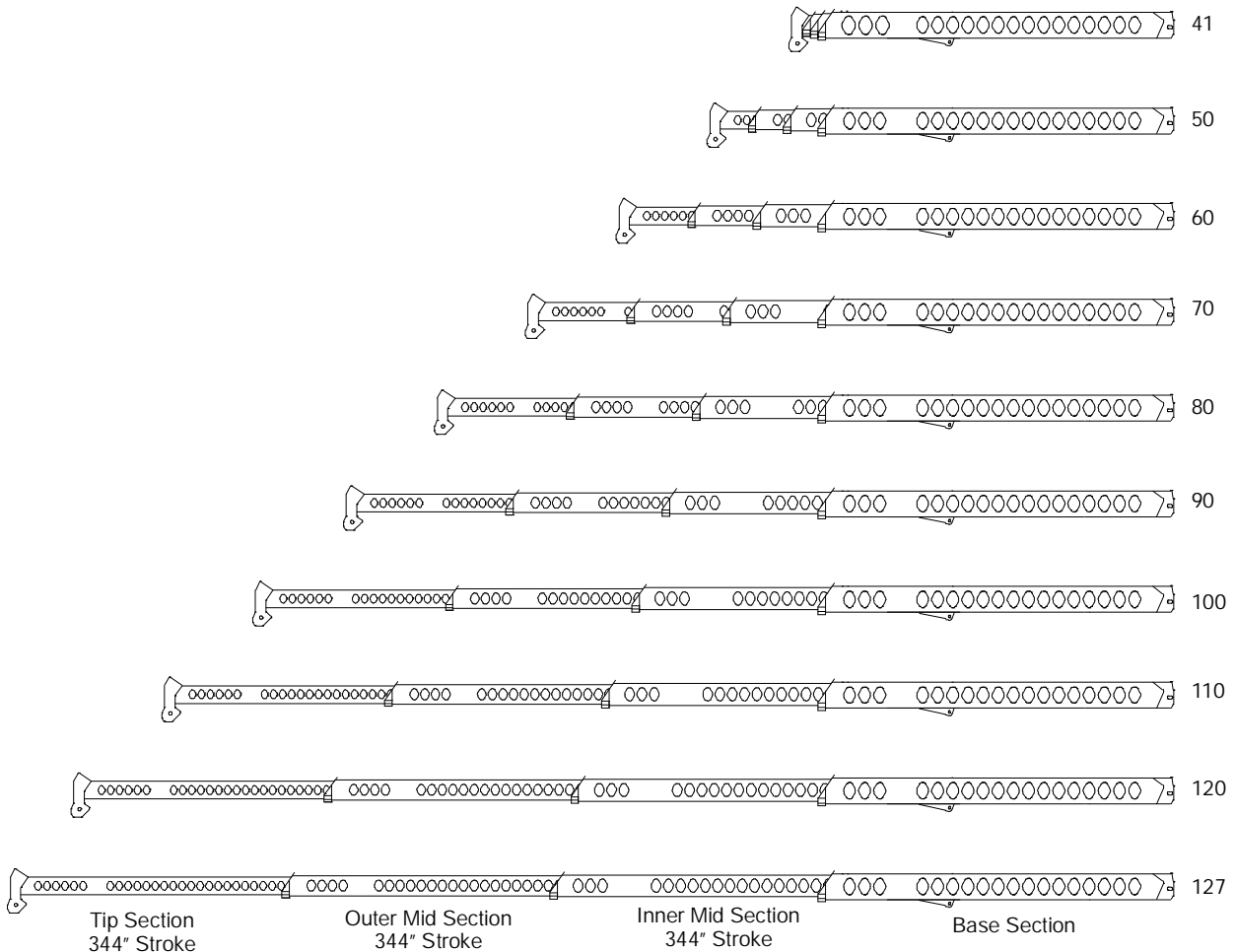
Boom Length (Ft.)



Boom Mode "B"

Inner mid, outer mid and tip sections telescope simultaneously.

Boom Length (Ft.)



WINCH PERFORMANCE

| Winch Line Pulls | | | Drum Rope Capacity (Ft.) | |
|------------------|-----------------|----------------|--------------------------|-------|
| Wire Rope Layer | Two Speed Winch | | | |
| | Low Speed | High Speed | Layer | Total |
| | Available Lbs.* | Available Lbs. | | |
| 1 | 17,117 | 8,453 | 114 | 114 |
| 2 | 15,737 | 7,771 | 124 | 238 |
| 3 | 14,563 | 7,192 | 134 | 372 |
| 4 | 13,552 | 6,692 | 144 | 516 |
| 5 | 12,672 | 6,258 | 154 | 670 |
| 6 | N/A | N/A | 164 | 834 |

*Maximum lifting capacity: Type RB Rope=12,920 Type ZB Rope=15,600

WIRE ROPE CAPACITY

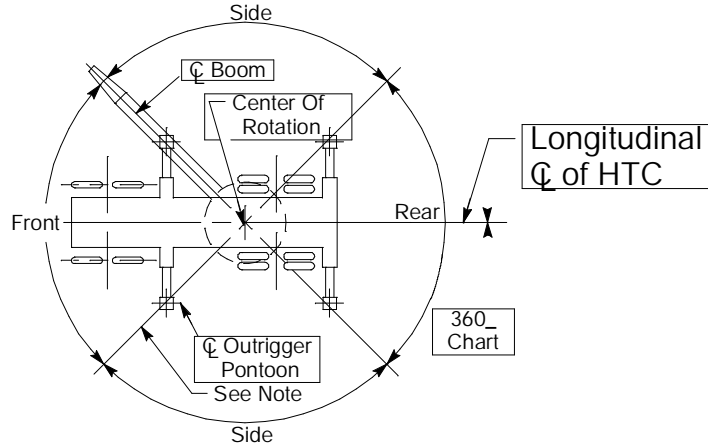
| Maximum Lifting Capacities Based On Wire Rope Strength | | | |
|--|---------|---------|---|
| Parts of Line | 3/4" | 3/4" | Notes |
| | Type RB | Type ZB | |
| 1 | 12,920* | 15,600 | Capacities shown are in pounds and working loads must not exceed the ratings on the capacity charts in the Crane Rating Manual. Study Operator's Manual for wire rope inspection procedures. *Use of swivel end with 1 part of line is not recommended. |
| 2 | 25,840 | 31,200 | |
| 3 | 38,760 | 46,800 | |
| 4 | 51,680 | 62,400 | |
| 5 | 64,600 | 78,000 | |
| 6 | 77,520 | 93,600 | |
| 7 | 90,440 | 109,200 | |
| 8 | 103,360 | 124,800 | |
| 9 | 116,280 | 140,400 | |
| 10 | 129,200 | 156,000 | |

| LBCE | DESCRIPTION |
|---------|--|
| TYPE RB | 18 X 19 Rotation Resistant -- Compact Strand -- High Strength Preformed, Right Regular Lay |
| TYPE ZB | 36 X 7 Rotation Resistant -- Extra Improved Plow Steel -- Right Regular Lay |

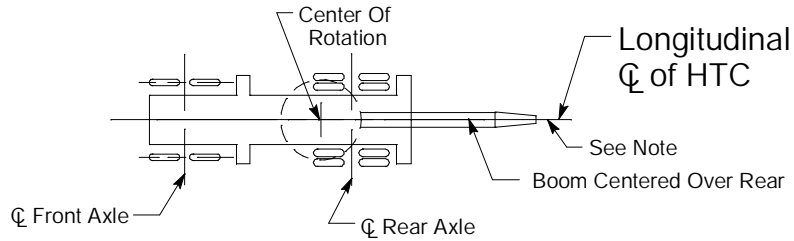
HYDRAULIC CIRCUIT PRESSURE SETTINGS

| Function | Pressure (PSI) |
|--------------------------|----------------|
| Front And Rear Winch | 3500 |
| Outriggers | 3000 |
| Boom Hoist | 3500 |
| Telescope | 3000 |
| Swing | 1500 |
| Steering | 2000 |
| Bumper Outrigger | 650 |
| Pilot Control | 500 |
| Counterweight Removal | 1700 |
| Swing Park Brake Release | 250 |

WORKING AREAS



HTC On Outriggers



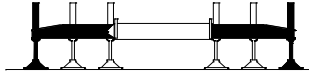
HTC On Tires

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

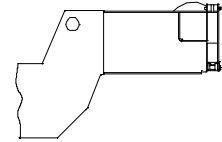
CAPACITY DEDUCTIONS FOR AUXILIARY LOAD HANDLING EQUIPMENT

| Load Handling Equipment | Weight (Lbs.) |
|---|-------------------|
| Auxiliary Head Attached | 100 |
| 40 Ton Quick Reeve 4 Sheave Hook Block (See Hook Block For Actual Weight) | 720 |
| 60 Ton Quick Reeve 4 Sheave Hook Block (See Hook Block For Actual Weight) | 1100 |
| 70 Ton Quick Reeve 5 Sheave Hook Block (See Hook Block For Actual Weight) | 1400 |
| 8.5 Ton Hook Ball (See Hook Ball For Actual Weight) | 360 |
| Lifting From Main Boom With: | |
| 39.5 Ft. Or 67 Ft. Fly Stowed On Base (See Operation Note 4) | 0 |
| 39.5 Ft. Offset Fly Erected But Not Used | 4100 |
| 67 Ft. Offset Fly Erected But Not Used | 8200 |
| Lifting From 39.5 Ft. Offset Fly With: | |
| 27.5 Ft. Fly Tip Erected But Not Used | PROHIBITED |
| 27.5 Ft. Fly Tip Stowed On 39.5 Ft. Offset Fly | PROHIBITED |
| Note: Capacity deductions are for Link-Belt supplied equipment only. | |

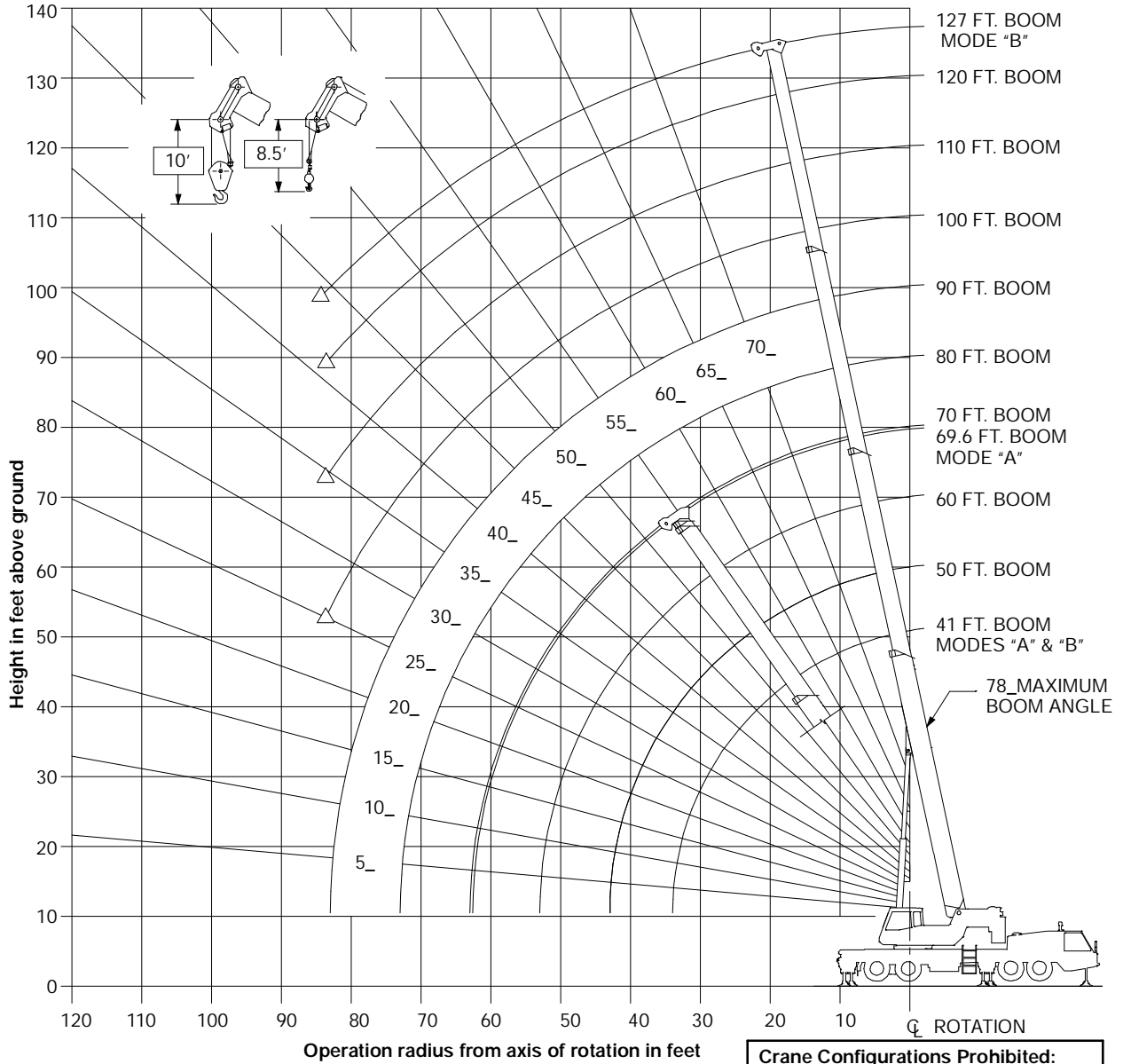
WORKING RANGE DIAGRAM



Fully Extended Outriggers



0# Counterweight



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

△ Denotes Main Boom- -Boom Mode "B"

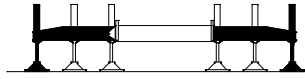
Note: Boom and fly geometry shown are for unloaded condition and crane standing level on firm supporting surface. Boom deflection, subsequent radius and boom angle change must be accounted for when applying load to hook.



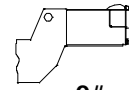
WARNING

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

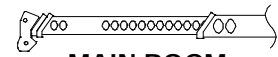
**Rated Lifting Capacities In Pounds
On Fully Extended Outriggers
See Set Up Note 2.**



FULL



0#



**MAIN BOOM
"A"**

| Load Radius (Ft.) | 41 Ft. | | | 50 Ft. | | | Load Radius (Ft.) |
|----------------------|----------|---------|-----------|----------|--------|-----------|----------------------|
| | (°) | 360° | Over Rear | (°) | 360° | Over Rear | |
| 10 | 69.0 | 119,300 | 119,300 | 73.0 | 75,100 | 75,100 | 10 |
| 12 | 66.0 | 106,200 | 106,200 | 70.5 | 75,100 | 75,100 | 12 |
| 15 | 61.0 | 90,800 | 90,800 | 67.0 | 75,100 | 75,100 | 15 |
| 20 | 52.5 | 65,700 | 65,700 | 60.5 | 65,100 | 65,100 | 20 |
| 25 | 42.0 | 44,500 | 44,500 | 53.0 | 43,600 | 43,600 | 25 |
| 30 | 29.0 | 31,400 | 31,400 | 45.0 | 30,900 | 30,900 | 30 |
| 35 | | | | 36.0 | 22,900 | 22,900 | 35 |
| 40 | | | | 23.0 | 17,100 | 17,400 | 40 |
| Min. Boom Angle/Cap. | 0 (34.0) | 21,100 | 21,100 | 0 (43.0) | 14,300 | 14,800 | Min. Boom Angle/Cap. |

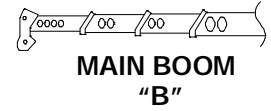
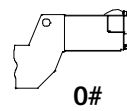
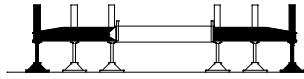
| Load Radius (Ft.) | 60 Ft. | | | 69.6 Ft. | | | Load Radius (Ft.) |
|----------------------|----------|--------|-----------|----------|--------|-----------|----------------------|
| | (°) | 360° | Over Rear | (°) | 360° | Over Rear | |
| 10 | 76.5 | 74,000 | 74,000 | | | | 10 |
| 12 | 74.5 | 74,000 | 74,000 | 76.5 | 43,900 | 43,900 | 12 |
| 15 | 71.5 | 74,000 | 74,000 | 74.5 | 43,900 | 43,900 | 15 |
| 20 | 66.0 | 64,600 | 64,600 | 70.0 | 43,900 | 43,900 | 20 |
| 25 | 60.5 | 42,800 | 42,800 | 65.5 | 42,300 | 42,300 | 25 |
| 30 | 54.5 | 30,200 | 30,200 | 60.5 | 29,700 | 29,700 | 30 |
| 35 | 48.0 | 22,400 | 22,400 | 55.5 | 22,000 | 22,000 | 35 |
| 40 | 41.0 | 16,600 | 17,100 | 50.0 | 16,200 | 16,700 | 40 |
| 45 | 32.5 | 12,500 | 13,200 | 44.0 | 12,100 | 12,900 | 45 |
| 50 | 21.0 | 9,400 | 10,200 | 37.5 | 9,100 | 10,000 | 50 |
| 55 | | | | 29.5 | 6,800 | 7,700 | 55 |
| 60 | | | | 18.0 | 4,900 | 5,800 | 60 |
| Min. Boom Angle/Cap. | 0 (53.0) | 7,800 | 8,600 | 0 (62.6) | 4,000 | 4,900 | Min. Boom Angle/Cap. |

Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

(°) Loaded Boom Angle In Degrees.

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

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



| Load Radius (Ft.) | 41 Ft. | | | 50 Ft. | | | Load Radius (Ft.) |
|-------------------|----------|---------|-----------|----------|--------|-----------|-------------------|
| | (°) | 360° | Over Rear | (°) | 360° | Over Rear | |
| 10 | 69.0 | 119,300 | 119,300 | 73.0 | 38,000 | 38,000 | 10 |
| 12 | 66.0 | 106,200 | 106,200 | 70.5 | 38,000 | 38,000 | 12 |
| 15 | 61.0 | 90,800 | 90,800 | 67.0 | 38,000 | 38,000 | 15 |
| 20 | 52.5 | 65,700 | 65,700 | 60.5 | 38,000 | 38,000 | 20 |
| 25 | 42.0 | 44,500 | 44,500 | 53.0 | 38,000 | 38,000 | 25 |
| 30 | 29.0 | 31,400 | 31,400 | 45.0 | 32,400 | 32,400 | 30 |
| 35 | | | | 36.0 | 24,400 | 24,400 | 35 |
| 40 | | | | 23.0 | 18,600 | 18,800 | 40 |
| Min.Bm. Ang/Cap. | 0 (34.0) | 21,100 | 21,100 | 0 (43.0) | 14,900 | 14,900 | Min.Bm. Ang/Cap. |

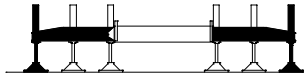
| Load Radius (Ft.) | 60 Ft. | | | 70 Ft. | | | Load Radius (Ft.) |
|--------------------|----------|--------|-----------|----------|--------|-----------|--------------------|
| | (°) | 360° | Over Rear | (°) | 360° | Over Rear | |
| 10 | 76.0 | 38,000 | 38,000 | | | | 10 |
| 12 | 74.0 | 38,000 | 38,000 | 76.5 | 38,000 | 38,000 | 12 |
| 15 | 71.0 | 38,000 | 38,000 | 74.5 | 38,000 | 38,000 | 15 |
| 20 | 66.0 | 38,000 | 38,000 | 70.0 | 38,000 | 38,000 | 20 |
| 25 | 60.5 | 38,000 | 38,000 | 65.5 | 38,000 | 38,000 | 25 |
| 30 | 54.5 | 32,900 | 32,900 | 60.5 | 33,200 | 33,200 | 30 |
| 35 | 48.0 | 24,900 | 24,900 | 55.5 | 25,300 | 25,300 | 35 |
| 40 | 41.0 | 19,200 | 19,500 | 50.0 | 19,500 | 19,800 | 40 |
| 45 | 32.5 | 14,900 | 15,400 | 44.5 | 15,300 | 15,800 | 45 |
| 50 | 21.0 | 11,800 | 12,400 | 38.0 | 12,200 | 12,800 | 50 |
| 55 | | | | 30.0 | 9,800 | 10,500 | 55 |
| 60 | | | | 19.0 | 7,800 | 8,500 | 60 |
| Min.Bm. Angle/Cap. | 0 (53.0) | 10,200 | 10,500 | 0 (63.0) | 6,800 | 7,500 | Min.Bm. Angle/Cap. |

Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

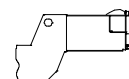
(°) Loaded Boom Angle In Degrees.

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

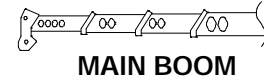
**Rated Lifting Capacities In Pounds
On Fully Extended Outriggers
See Set Up Note 2.**



FULL



0#



**MAIN BOOM
"B"**

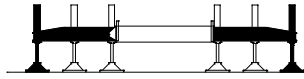
| Load Radius (Ft.) | 80 Ft. | | | 90Ft. | | | 100 Ft. | | | Load Radius (Ft.) |
|---------------------|----------|--------|-----------|----------|--------|-----------|-------------|--------|-----------|---------------------|
| | (° | 360° | Over Rear | (° | 360° | Over Rear | (° | 360° | Over Rear | |
| 15 | 76.5 | 38,000 | 38,000 | | | | | | | 15 |
| 20 | 73.0 | 38,000 | 38,000 | 75.0 | 38,000 | 38,000 | 77.0 | 37,400 | 37,400 | 20 |
| 25 | 69.0 | 38,000 | 38,000 | 72.0 | 38,000 | 38,000 | 74.0 | 32,700 | 32,700 | 25 |
| 30 | 65.0 | 33,500 | 33,500 | 68.5 | 33,600 | 33,600 | 71.0 | 29,000 | 29,000 | 30 |
| 35 | 60.5 | 25,500 | 25,500 | 65.0 | 25,600 | 25,600 | 68.0 | 25,700 | 25,700 | 35 |
| 40 | 56.5 | 19,800 | 20,000 | 61.0 | 20,000 | 20,200 | 64.5 | 20,100 | 20,300 | 40 |
| 45 | 51.5 | 15,500 | 16,100 | 57.0 | 15,700 | 16,200 | 61.0 | 15,800 | 16,300 | 45 |
| 50 | 47.0 | 12,400 | 13,100 | 53.0 | 12,600 | 13,200 | 57.5 | 12,700 | 13,300 | 50 |
| 55 | 41.5 | 10,000 | 10,800 | 48.5 | 10,200 | 10,900 | 54.0 | 10,300 | 11,100 | 55 |
| 60 | 35.5 | 8,100 | 8,900 | 44.0 | 8,300 | 9,100 | 50.0 | 8,400 | 9,200 | 60 |
| 65 | 28.0 | 6,500 | 7,300 | 39.0 | 6,700 | 7,500 | 46.0 | 6,800 | 7,600 | 65 |
| 70 | 18.0 | 5,200 | 5,900 | 33.5 | 5,400 | 6,200 | 42.0 | 5,500 | 6,300 | 70 |
| 75 | | | | 26.5 | 4,300 | 5,000 | 37.0 | 4,400 | 5,200 | 75 |
| 80 | | | | 17.0 | 3,300 | 4,000 | 31.5 | 3,500 | 4,200 | 80 |
| Min.Bm. Angle/ Cap. | 0 (73.0) | 4,500 | 5,200 | 0 (83.0) | 2,800 | 3,500 | 25.0 (85.0) | | | Min.Bm. Angle/ Cap. |

Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

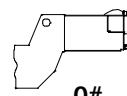
(Loaded Boom Angle In Degrees.

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

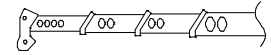
**Rated Lifting Capacities In Pounds
On Fully Extended Outriggers
See Set Up Note 2.**



FULL



0#



**MAIN BOOM
"B"**

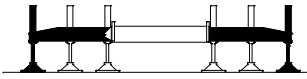
| Load Radius (Ft.) | 110 Ft. | | | 120 Ft. | | | 127 Ft. | | | Load Radius (Ft.) |
|---------------------|-------------|--------|-----------|-------------|--------|-----------|-------------|--------|-----------|---------------------|
| | (° | 360° | Over Rear | (° | 360° | Over Rear | (° | 360° | Over Rear | |
| 25 | 76.0 | 29,400 | 29,400 | 77.5 | 23,300 | 23,300 | 78.0* | 19,600 | 19,600 | 25 |
| 30 | 73.5 | 26,200 | 26,200 | 75.0 | 23,300 | 23,300 | 76.0 | 19,600 | 19,600 | 30 |
| 35 | 70.5 | 23,500 | 23,500 | 72.5 | 21,500 | 21,500 | 74.0 | 19,600 | 19,600 | 35 |
| 40 | 67.5 | 20,200 | 20,400 | 70.0 | 19,400 | 19,400 | 71.5 | 18,400 | 18,400 | 40 |
| 45 | 64.5 | 15,900 | 16,400 | 67.5 | 16,000 | 16,500 | 69.0 | 16,000 | 16,400 | 45 |
| 50 | 61.5 | 12,700 | 13,400 | 64.5 | 12,800 | 13,500 | 66.5 | 12,800 | 13,500 | 50 |
| 55 | 58.5 | 10,400 | 11,200 | 61.5 | 10,500 | 11,200 | 64.0 | 10,500 | 11,300 | 55 |
| 60 | 55.0 | 8,500 | 9,300 | 58.5 | 8,600 | 9,300 | 61.0 | 8,600 | 9,400 | 60 |
| 65 | 51.5 | 6,900 | 7,700 | 55.5 | 7,000 | 7,800 | 58.0 | 7,000 | 7,800 | 65 |
| 70 | 48.0 | 5,600 | 6,400 | 52.5 | 5,700 | 6,500 | 55.5 | 5,700 | 6,500 | 70 |
| 75 | 44.0 | 4,500 | 5,300 | 49.5 | 4,600 | 5,400 | 52.5 | 4,700 | 5,400 | 75 |
| 80 | 40.0 | 3,600 | 4,400 | 46.0 | 3,700 | 4,400 | 49.5 | 3,700 | 4,500 | 80 |
| 85 | 35.5 | 2,800 | 3,500 | 42.5 | 2,900 | 3,600 | 46.0 | 2,900 | 3,700 | 85 |
| Min.Bm. Angle/ Cap. | 35.0 (86.0) | | | 41.0 (86.5) | | | 44.0 (87.5) | | | Min.Bm. Angle/ Cap. |

Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

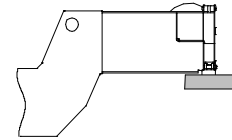
(° Loaded Boom Angle In Degrees.

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

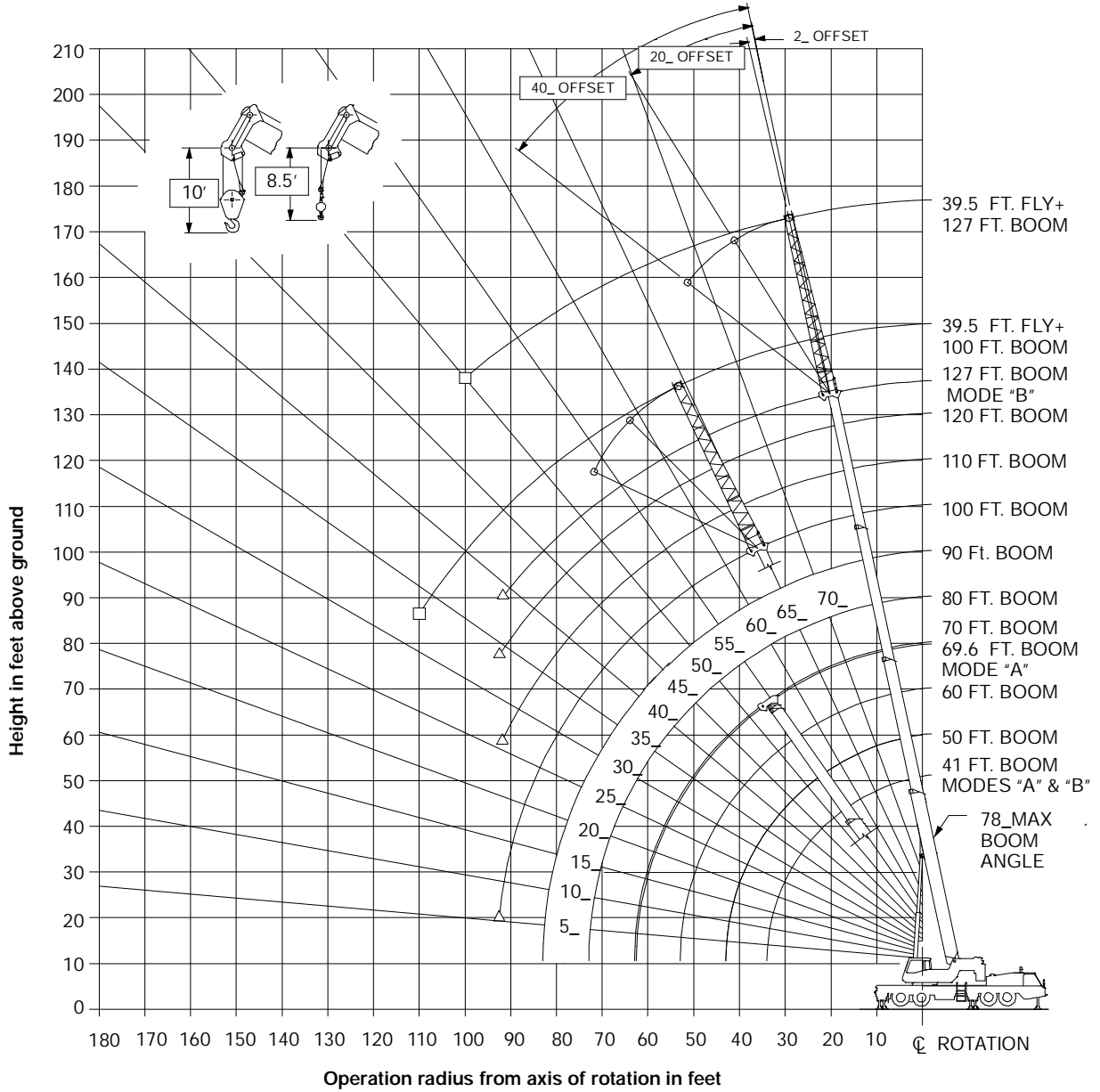
WORKING RANGE DIAGRAM



Fully Extended Outriggers



4,000# Counterweight



j Denotes Main Boom + 39.5' Fly--Boom Mode "B"
 △ Denotes Main Boom--Boom Mode "B"

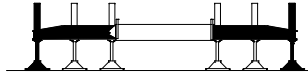
Crane Configurations Prohibited:
 67 Ft. Offset Fly

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

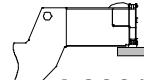
WARNING

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

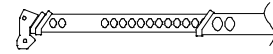
**Rated Lifting Capacities In Pounds
On Fully Extended Outriggers
See Set Up Note 2.**



FULL



4,000#



**MAIN BOOM
"A"**

| Load Radius (Ft.) | 41 Ft. | | | 50 Ft. | | | Load Radius (Ft.) |
|-------------------|----------|---------|-----------|----------|--------|-----------|-------------------|
| | (°) | 360° | Over Rear | (°) | 360° | Over Rear | |
| 10 | 69.0 | 121,900 | 121,900 | 73.0 | 75,100 | 75,100 | 10 |
| 12 | 66.0 | 108,600 | 108,600 | 70.5 | 75,100 | 75,100 | 12 |
| 15 | 61.0 | 92,900 | 92,900 | 67.0 | 75,100 | 75,100 | 15 |
| 20 | 52.5 | 68,100 | 68,100 | 60.5 | 67,600 | 67,600 | 20 |
| 25 | 42.5 | 49,100 | 49,100 | 53.0 | 48,100 | 48,100 | 25 |
| 30 | 29.0 | 34,900 | 34,900 | 45.5 | 34,300 | 34,300 | 30 |
| 35 | | | | 36.0 | 25,700 | 25,700 | 35 |
| 40 | | | | 23.0 | 19,800 | 19,800 | 40 |
| Min.Bm. Ang/Cap. | 0 (34.0) | 21,100 | 21,100 | 0 (43.0) | 15,900 | 15,900 | Min.Bm. Ang/Cap. |

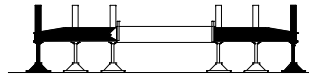
| Load Radius (Ft.) | 60 Ft. | | | 69.6 Ft. | | | Load Radius (Ft.) |
|-------------------|----------|--------|-----------|----------|--------|-----------|-------------------|
| | (°) | 360° | Over Rear | (°) | 360° | Over Rear | |
| 10 | 76.5 | 74,000 | 74,000 | | | | 10 |
| 12 | 74.5 | 74,000 | 74,000 | 76.5 | 43,900 | 43,900 | 12 |
| 15 | 71.5 | 74,000 | 74,000 | 74.5 | 43,900 | 43,900 | 15 |
| 20 | 66.0 | 67,100 | 67,100 | 70.0 | 43,900 | 43,900 | 20 |
| 25 | 60.5 | 47,400 | 47,400 | 65.5 | 43,900 | 43,900 | 25 |
| 30 | 54.5 | 33,700 | 33,700 | 60.5 | 33,200 | 33,200 | 30 |
| 35 | 48.5 | 25,200 | 25,200 | 55.5 | 24,800 | 24,800 | 35 |
| 40 | 41.0 | 19,500 | 19,500 | 50.0 | 19,100 | 19,100 | 40 |
| 45 | 32.5 | 15,000 | 15,200 | 44.0 | 14,600 | 14,900 | 45 |
| 50 | 21.0 | 11,600 | 12,000 | 37.5 | 11,300 | 11,800 | 50 |
| 55 | | | | 29.5 | 8,700 | 9,300 | 55 |
| 60 | | | | 18.5 | 6,600 | 7,200 | 60 |
| Min.Bm. Ang/Cap. | 0 (53.0) | 9,800 | 10,300 | 0 (62.6) | 5,600 | 6,200 | Min.Bm. Ang/Cap. |

Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

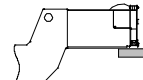
(°) Loaded Boom Angle In Degrees.

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

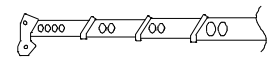
**Rated Lifting Capacities In Pounds
On Fully Extended Outriggers
See Set Up Note 2.**



FULL



4,000#



**MAIN BOOM
"B"**

| Load Radius (Ft.) | 41 Ft. | | | 50 Ft. | | | Load Radius (Ft.) |
|-------------------|----------|---------|-----------|----------|--------|-----------|-------------------|
| | (° | 360° | Over Rear | (° | 360° | Over Rear | |
| 10 | 69.0 | 121,900 | 121,900 | 73.0 | 38,000 | 38,000 | 10 |
| 12 | 66.0 | 108,600 | 108,600 | 70.5 | 38,000 | 38,000 | 12 |
| 15 | 61.0 | 92,900 | 92,900 | 67.0 | 38,000 | 38,000 | 15 |
| 20 | 52.5 | 68,100 | 68,100 | 60.5 | 38,000 | 38,000 | 20 |
| 25 | 42.5 | 49,100 | 49,100 | 53.0 | 38,000 | 38,000 | 25 |
| 30 | 29.0 | 34,900 | 34,900 | 45.0 | 35,900 | 35,900 | 30 |
| 35 | | | | 36.0 | 27,100 | 27,100 | 35 |
| 40 | | | | 23.0 | 21,100 | 21,100 | 40 |
| Min.Bm. Ang/Cap. | 0 (34.0) | 21,100 | 21,100 | 0 (43.0) | 14,900 | 14,900 | Min.Bm. Ang/Cap. |

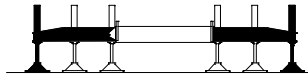
| Load Radius (Ft.) | 60 Ft. | | | 70 Ft. | | | Load Radius (Ft.) |
|-------------------|----------|--------|-----------|----------|--------|-----------|-------------------|
| | (° | 360° | Over Rear | (° | 360° | Over Rear | |
| 10 | 76.0 | 38,000 | 38,000 | | | | 10 |
| 12 | 74.0 | 38,000 | 38,000 | 76.5 | 38,000 | 38,000 | 12 |
| 15 | 71.0 | 38,000 | 38,000 | 74.5 | 38,000 | 38,000 | 15 |
| 20 | 66.0 | 38,000 | 38,000 | 70.0 | 38,000 | 38,000 | 20 |
| 25 | 60.5 | 38,000 | 38,000 | 65.5 | 38,000 | 38,000 | 25 |
| 30 | 54.5 | 36,400 | 36,400 | 60.5 | 36,700 | 36,700 | 30 |
| 35 | 48.0 | 27,700 | 27,700 | 55.5 | 28,000 | 28,000 | 35 |
| 40 | 41.0 | 21,800 | 21,800 | 50.0 | 22,200 | 22,200 | 40 |
| 45 | 32.5 | 17,400 | 17,500 | 44.5 | 17,800 | 17,900 | 45 |
| 50 | 21.0 | 13,900 | 14,200 | 38.0 | 14,300 | 14,600 | 50 |
| 55 | | | | 30.0 | 11,700 | 12,100 | 55 |
| 60 | | | | 19.0 | 9,500 | 10,000 | 60 |
| Min.Bm. Ang/Cap. | 0 (53.0) | 10,500 | 10,500 | 0 (63.0) | 7,600 | 7,600 | Min.Bm. Ang/Cap. |

Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

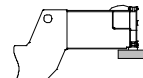
(° Loaded Boom Angle In Degrees.

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

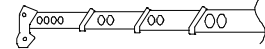
**Rated Lifting Capacities In Pounds
On Fully Extended Outriggers
See Set Up Note 2.**



FULL



4,000#



**MAIN BOOM
"B"**

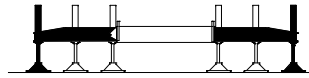
| Load Radius (Ft.) | 80 Ft. | | | 90 Ft. | | | 100 Ft. | | | Load Radius (Ft.) |
|-------------------|----------|--------|-----------|----------|--------|-----------|------------|--------|-----------|-------------------|
| | (° | 360° | Over Rear | (° | 360° | Over Rear | (° | 360° | Over Rear | |
| 15 | 76.5 | 38,000 | 38,000 | | | | | | | 15 |
| 20 | 73.0 | 38,000 | 38,000 | 75.0 | 38,000 | 38,000 | 77.0 | 37,400 | 37,400 | 20 |
| 25 | 69.0 | 38,000 | 38,000 | 72.0 | 38,000 | 38,000 | 74.0 | 32,700 | 32,700 | 25 |
| 30 | 65.0 | 36,900 | 36,900 | 68.5 | 37,100 | 37,100 | 71.0 | 29,000 | 29,000 | 30 |
| 35 | 61.0 | 28,200 | 28,200 | 65.0 | 28,400 | 28,400 | 68.0 | 26,000 | 26,000 | 35 |
| 40 | 56.5 | 22,400 | 22,400 | 61.0 | 22,500 | 22,500 | 65.0 | 22,600 | 22,600 | 40 |
| 45 | 52.0 | 18,000 | 18,100 | 57.0 | 18,200 | 18,200 | 61.5 | 18,300 | 18,400 | 45 |
| 50 | 47.0 | 14,500 | 14,800 | 53.0 | 14,700 | 15,000 | 58.0 | 14,800 | 15,100 | 50 |
| 55 | 41.5 | 11,900 | 12,400 | 49.0 | 12,100 | 12,500 | 54.0 | 12,200 | 12,700 | 55 |
| 60 | 35.5 | 9,800 | 10,300 | 44.0 | 10,000 | 10,500 | 50.5 | 10,100 | 10,600 | 60 |
| 65 | 28.0 | 8,100 | 8,600 | 39.0 | 8,300 | 8,800 | 46.5 | 8,400 | 8,900 | 65 |
| 70 | 18.0 | 6,600 | 7,100 | 33.5 | 6,800 | 7,400 | 42.0 | 7,000 | 7,500 | 70 |
| 75 | | | | 26.5 | 5,600 | 6,100 | 37.0 | 5,800 | 6,300 | 75 |
| 80 | | | | 17.0 | 4,600 | 5,100 | 32.0 | 4,700 | 5,300 | 80 |
| 85 | | | | | | | 25.5 | 3,800 | 4,300 | 85 |
| 90 | | | | | | | 16.5 | 3,000 | 3,500 | 90 |
| Min.Bm. Ang/ Cap. | 0 (73.0) | 5,500 | 5,500 | 0 (83.0) | 3,900 | 3,900 | 5.5 (92.8) | | | Min.Bm. Ang/ Cap. |

Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

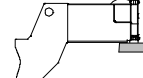
(° Loaded Boom Angle In Degrees.

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

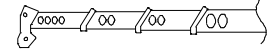
**Rated Lifting Capacities In Pounds
On Fully Extended Outriggers
See Set Up Note 2.**



FULL



4,000#



**MAIN BOOM
"B"**

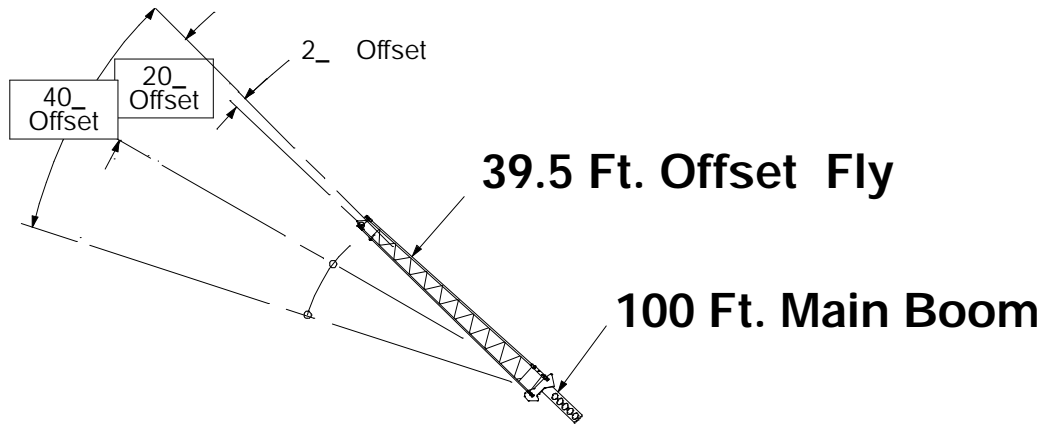
| Load Radius (Ft.) | 110 Ft. | | | 120 Ft. | | | 127 Ft. | | | Load Radius (Ft.) |
|-------------------|-------------|--------|-----------|-------------|--------|-----------|-------------|--------|-----------|-------------------|
| | (° | 360° | Over Rear | (° | 360° | Over Rear | (° | 360° | Over Rear | |
| 25 | 76.0 | 29,400 | 29,400 | 77.5 | 23,300 | 23,300 | 78.0* | 19,600 | 19,600 | 25 |
| 30 | 73.5 | 26,200 | 26,200 | 75.0 | 23,300 | 23,300 | 76.0 | 19,600 | 19,600 | 30 |
| 35 | 70.5 | 23,500 | 23,500 | 72.5 | 21,500 | 21,500 | 74.0 | 19,600 | 19,600 | 35 |
| 40 | 68.0 | 21,200 | 21,200 | 70.0 | 19,400 | 19,400 | 71.5 | 18,400 | 18,400 | 40 |
| 45 | 65.0 | 18,400 | 18,400 | 67.5 | 17,600 | 17,600 | 69.0 | 16,400 | 16,400 | 45 |
| 50 | 61.5 | 14,900 | 15,200 | 65.0 | 15,000 | 15,300 | 66.5 | 14,900 | 14,900 | 50 |
| 55 | 58.5 | 12,300 | 12,800 | 62.0 | 12,400 | 12,700 | 64.0 | 12,500 | 12,700 | 55 |
| 60 | 55.0 | 10,200 | 10,700 | 59.0 | 10,300 | 10,800 | 61.5 | 10,300 | 10,800 | 60 |
| 65 | 51.5 | 8,500 | 9,000 | 56.0 | 8,600 | 9,100 | 58.5 | 8,600 | 9,100 | 65 |
| 70 | 48.0 | 7,100 | 7,600 | 53.0 | 7,100 | 7,700 | 55.5 | 7,200 | 7,700 | 70 |
| 75 | 44.0 | 5,900 | 6,400 | 49.5 | 5,900 | 6,500 | 52.5 | 6,000 | 6,500 | 75 |
| 80 | 40.0 | 4,800 | 5,400 | 46.0 | 4,900 | 5,500 | 49.5 | 4,900 | 5,500 | 80 |
| 85 | 35.5 | 3,900 | 4,500 | 42.5 | 4,000 | 4,600 | 46.0 | 4,100 | 4,600 | 85 |
| 90 | 30.5 | 3,200 | 3,700 | 38.5 | 3,200 | 3,800 | 43.0 | 3,300 | 3,800 | 90 |
| Min.Bm. Ang/ Cap. | 26.0 (93.7) | | | 34.0 (94.9) | | | 39.0 (95.2) | | | Min.Bm. Ang/ Cap. |


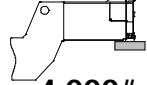
Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

(° Loaded Boom Angle In Degrees.

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

* This capacity based on maximum obtainable boom angle.



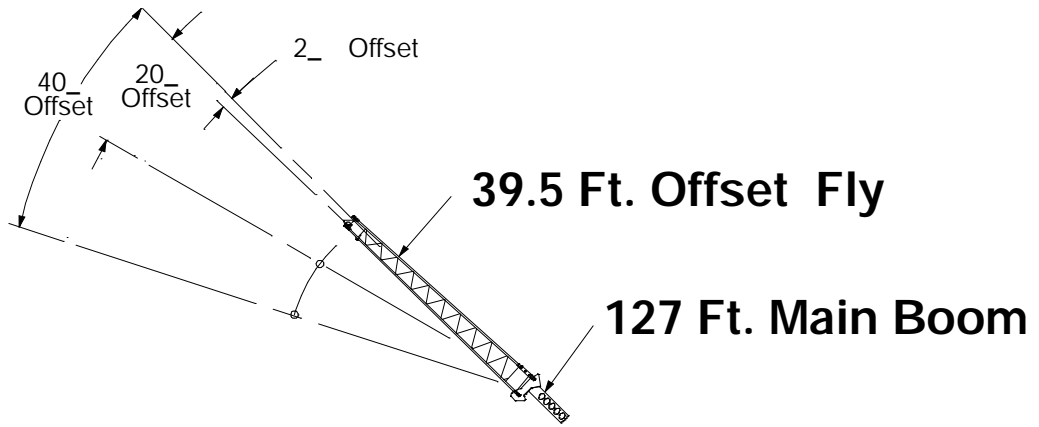
| Rated Lifting Capacities In Pounds On Fully Extended Outriggers See Set Up Note 2. | |  FULL | |  4,000# | | | |
|--|-----------|---|------------|---|------------|-------|-------------------|
| Load Radius (Ft.) | 2_ Offset | | 20_ Offset | | 40_ Offset | | Load Radius (Ft.) |
| | (° | 360° | (° |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

WARNING

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

Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

(Loaded Boom Angle In Degrees.



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

⚠ WARNING

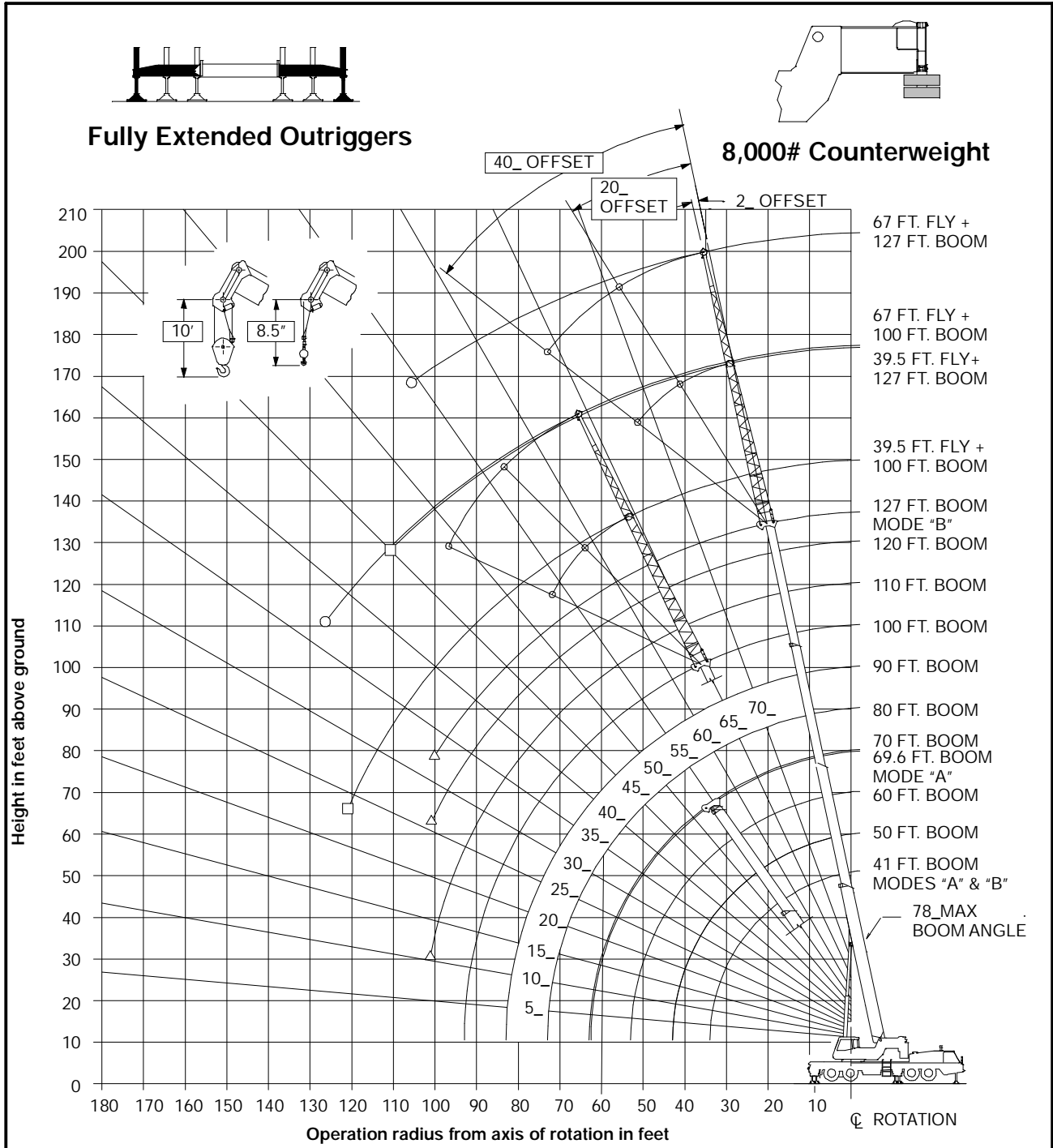
Do Not Lower 39.5 Ft. Offset Fly In Working Position Below 50 Degrees Main Boom Angle Unless Main Boom Length Is 84 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

(Loaded Boom Angle In Degrees.

* This capacity based on maximum obtainable boom angle.

WORKING RANGE DIAGRAM



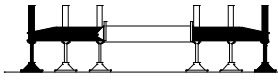
- f Denotes Main Boom + 67' Fly- -Boom Mode "B"
- j Denotes Main Boom + 39.5' Fly- -Boom Mode "B"
- △ Denotes Main Boom- -Boom Mode "B"

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

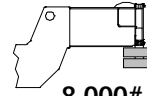
WARNING

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

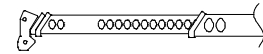
**Rated Lifting Capacities In Pounds
On Fully Extended Outriggers
See Set Up Note 2.**



FULL



8,000#



**MAIN BOOM
"A"**

| Load Radius (Ft.) | 41 Ft. | | | 50 Ft. | | | Load Radius (Ft.) |
|-------------------|----------|---------|-----------|----------|--------|-----------|-------------------|
| | (°) | 360° | Over Rear | (°) | 360° | Over Rear | |
| 10 | 69.0 | 124,600 | 124,600 | 73.0 | 75,100 | 75,100 | 10 |
| 12 | 66.0 | 111,000 | 111,000 | 70.5 | 75,100 | 75,100 | 12 |
| 15 | 61.0 | 95,000 | 95,000 | 67.0 | 75,100 | 75,100 | 15 |
| 20 | 52.5 | 70,600 | 70,600 | 60.5 | 70,000 | 70,000 | 20 |
| 25 | 42.5 | 53,600 | 53,600 | 53.0 | 52,700 | 52,700 | 25 |
| 30 | 29.0 | 38,400 | 38,400 | 45.5 | 37,800 | 37,800 | 30 |
| 35 | | | | 36.0 | 28,500 | 28,500 | 35 |
| 40 | | | | 23.0 | 22,100 | 22,100 | 40 |
| Min.Boom Ang/Cap. | 0 (34.0) | 21,100 | 21,100 | 0 (43.0) | 15,900 | 15,900 | Min.Boom Ang/Cap. |

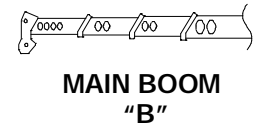
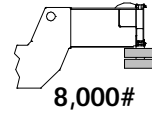
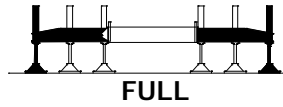
| Load Radius (Ft.) | 60 Ft. | | | 69.6 Ft. | | | Load Radius (Ft.) |
|-------------------|----------|--------|-----------|----------|--------|-----------|-------------------|
| | (°) | 360° | Over Rear | (°) | 360° | Over Rear | |
| 10 | 76.5 | 74,000 | 74,000 | | | | 10 |
| 12 | 74.5 | 74,000 | 74,000 | 76.5 | 43,900 | 43,900 | 12 |
| 15 | 71.5 | 74,000 | 74,000 | 74.5 | 43,900 | 43,900 | 15 |
| 20 | 66.0 | 69,500 | 69,500 | 70.0 | 43,900 | 43,900 | 20 |
| 25 | 60.5 | 51,900 | 51,900 | 65.5 | 43,900 | 43,900 | 25 |
| 30 | 54.5 | 37,200 | 37,200 | 60.5 | 36,700 | 36,700 | 30 |
| 35 | 48.5 | 28,000 | 28,000 | 55.5 | 27,600 | 27,600 | 35 |
| 40 | 41.0 | 21,800 | 21,800 | 50.0 | 21,500 | 21,500 | 40 |
| 45 | 32.5 | 17,200 | 17,200 | 44.5 | 17,000 | 17,000 | 45 |
| 50 | 21.0 | 13,700 | 13,700 | 37.5 | 13,400 | 13,500 | 50 |
| 55 | | | | 29.5 | 10,700 | 10,900 | 55 |
| 60 | | | | 18.5 | 8,400 | 8,700 | 60 |
| Min.Boom Ang/Cap. | 0 (53.0) | 10,800 | 10,800 | 0 (62.6) | 7,300 | 7,300 | Min.Boom Ang/Cap. |

Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

(°) Loaded Boom Angle In Degrees.

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

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



| Load Radius (Ft.) | 41 Ft. | | | 50 Ft. | | | Load Radius (Ft.) |
|-------------------|----------|---------|-----------|----------|--------|-----------|-------------------|
| | (°) | 360° | Over Rear | (°) | 360° | Over Rear | |
| 10 | 69.0 | 124,600 | 124,600 | 73.0 | 38,000 | 38,000 | 10 |
| 12 | 66.0 | 111,000 | 111,000 | 70.5 | 38,000 | 38,000 | 12 |
| 15 | 61.0 | 95,000 | 95,000 | 67.0 | 38,000 | 38,000 | 15 |
| 20 | 52.5 | 70,600 | 70,600 | 60.5 | 38,000 | 38,000 | 20 |
| 25 | 42.5 | 53,600 | 53,600 | 53.0 | 38,000 | 38,000 | 25 |
| 30 | 29.0 | 38,400 | 38,400 | 45.0 | 38,000 | 38,000 | 30 |
| 35 | | | | 36.0 | 29,900 | 29,900 | 35 |
| 40 | | | | 23.0 | 23,500 | 23,500 | 40 |
| Min.Bm. Ang/Cap. | 0 (34.0) | 21,100 | 21,100 | 0 (43.0) | 14,900 | 14,900 | Min.Bm. Ang/Cap. |

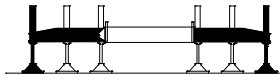
| Load Radius (Ft.) | 60 Ft. | | | 70 Ft. | | | Load Radius (Ft.) |
|-------------------|----------|--------|-----------|----------|--------|-----------|-------------------|
| | (°) | 360° | Over Rear | (°) | 360° | Over Rear | |
| 10 | 76.0 | 38,000 | 38,000 | | | | 10 |
| 12 | 74.0 | 38,000 | 38,000 | 76.5 | 38,000 | 38,000 | 12 |
| 15 | 71.0 | 38,000 | 38,000 | 74.5 | 38,000 | 38,000 | 15 |
| 20 | 66.0 | 38,000 | 38,000 | 70.0 | 38,000 | 38,000 | 20 |
| 25 | 60.5 | 38,000 | 38,000 | 65.5 | 38,000 | 38,000 | 25 |
| 30 | 54.5 | 38,000 | 38,000 | 60.5 | 38,000 | 38,000 | 30 |
| 35 | 48.0 | 30,500 | 30,500 | 55.5 | 30,800 | 30,800 | 35 |
| 40 | 41.0 | 24,200 | 24,200 | 50.5 | 24,500 | 24,500 | 40 |
| 45 | 32.5 | 19,500 | 19,500 | 44.5 | 19,900 | 19,900 | 45 |
| 50 | 21.0 | 15,900 | 15,900 | 38.0 | 16,400 | 16,400 | 50 |
| 55 | | | | 30.0 | 13,600 | 13,600 | 55 |
| 60 | | | | 19.0 | 11,300 | 11,400 | 60 |
| Min.Bm. Ang/Cap. | 0 (53.0) | 10,500 | 10,500 | 0 (63.0) | 7,600 | 7,600 | Min.Bm. Ang/Cap. |

Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

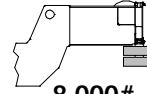
(°) Loaded Boom Angle In Degrees.

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

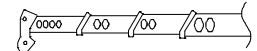
**Rated Lifting Capacities In Pounds
On Fully Extended Outriggers
See Set Up Note 2.**



FULL



8,000#



**MAIN BOOM
"B"**

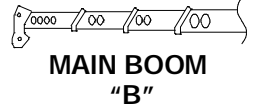
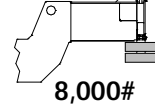
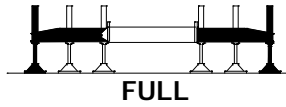
| Load Radius (Ft.) | 80 Ft. | | | 90 Ft. | | | 100 Ft. | | | Load Radius (Ft.) |
|-------------------|----------|--------|-----------|----------|--------|-----------|----------|--------|-----------|-------------------|
| | (°) | 360° | Over Rear | (°) | 360° | Over Rear | (°) | 360° | Over Rear | |
| 15 | 76.5 | 38,000 | 38,000 | | | | | | | 15 |
| 20 | 73.0 | 38,000 | 38,000 | 75.0 | 38,000 | 38,000 | 77.0 | 37,400 | 37,400 | 20 |
| 25 | 69.5 | 38,000 | 38,000 | 72.0 | 38,000 | 38,000 | 74.0 | 32,700 | 32,700 | 25 |
| 30 | 65.0 | 38,000 | 38,000 | 68.5 | 37,900 | 37,900 | 71.0 | 29,000 | 29,000 | 30 |
| 35 | 61.0 | 31,000 | 31,000 | 65.0 | 31,200 | 31,200 | 68.0 | 26,000 | 26,000 | 35 |
| 40 | 56.5 | 24,700 | 24,700 | 61.0 | 24,900 | 24,900 | 65.0 | 23,400 | 23,400 | 40 |
| 45 | 52.0 | 20,100 | 20,100 | 57.5 | 20,300 | 20,300 | 61.5 | 20,400 | 20,400 | 45 |
| 50 | 47.0 | 16,600 | 16,600 | 53.0 | 16,800 | 16,800 | 58.0 | 16,900 | 16,900 | 50 |
| 55 | 41.5 | 13,800 | 13,900 | 49.0 | 14,000 | 14,100 | 54.5 | 14,100 | 14,200 | 55 |
| 60 | 35.5 | 11,500 | 11,700 | 44.5 | 11,700 | 11,900 | 50.5 | 11,800 | 12,100 | 60 |
| 65 | 28.0 | 9,700 | 9,900 | 39.0 | 9,800 | 10,100 | 46.5 | 10,000 | 10,200 | 65 |
| 70 | 18.0 | 8,100 | 8,300 | 33.5 | 8,300 | 8,600 | 42.0 | 8,400 | 8,700 | 70 |
| 75 | | | | 26.5 | 6,900 | 7,200 | 37.5 | 7,100 | 7,400 | 75 |
| 80 | | | | 17.0 | 5,800 | 6,100 | 32.0 | 5,900 | 6,300 | 80 |
| 85 | | | | | | | 25.5 | 5,000 | 5,300 | 85 |
| 90 | | | | | | | 16.5 | 4,100 | 4,400 | 90 |
| Min.Bm. Ang/ Cap. | 0 (73.0) | 5,500 | 5,500 | 0 (83.0) | 3,900 | 3,900 | 0 (93.0) | 2,700 | 2,700 | Min.Bm. Ang/ Cap. |

Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

(°) Loaded Boom Angle In Degrees.

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

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



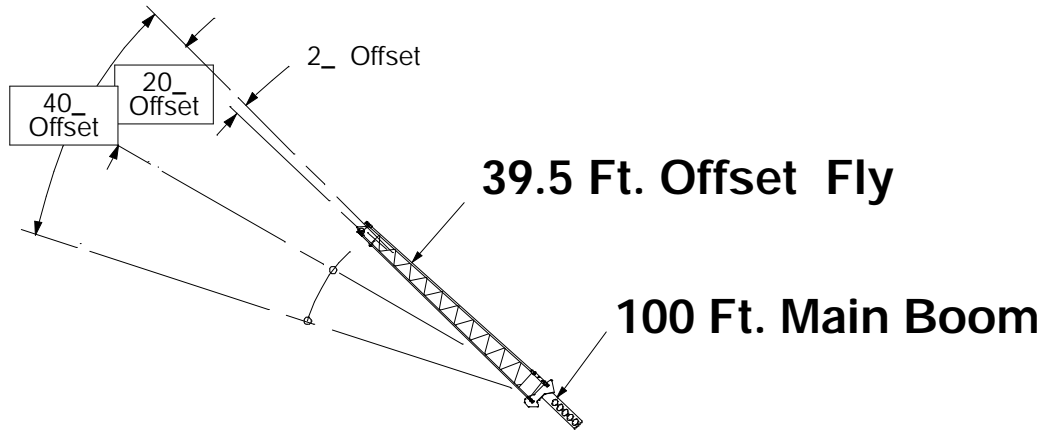
| Load Radius (Ft.) | 110 Ft. | | | 120 Ft. | | | 127 Ft. | | | Load Radius (Ft.) |
|-------------------|--------------|--------|-----------|--------------|--------|-----------|--------------|--------|-----------|-------------------|
| | (° | 360° | Over Rear | (° | 360° | Over Rear | (° | 360° | Over Rear | |
| 25 | 76.0 | 29,400 | 29,400 | 77.5 | 23,300 | 23,300 | 78.0* | 19,600 | 19,600 | 25 |
| 30 | 73.5 | 26,200 | 26,200 | 75.0 | 23,300 | 23,300 | 76.0 | 19,600 | 19,600 | 30 |
| 35 | 70.5 | 23,500 | 23,500 | 72.5 | 21,500 | 21,500 | 74.0 | 19,600 | 19,600 | 35 |
| 40 | 68.0 | 21,200 | 21,200 | 70.0 | 19,400 | 19,400 | 71.5 | 18,400 | 18,400 | 40 |
| 45 | 65.0 | 19,200 | 19,200 | 67.5 | 17,600 | 17,600 | 69.0 | 16,400 | 16,400 | 45 |
| 50 | 62.0 | 17,000 | 17,000 | 65.0 | 15,800 | 15,800 | 66.5 | 14,900 | 14,900 | 50 |
| 55 | 58.5 | 14,200 | 14,200 | 62.0 | 14,200 | 14,300 | 64.0 | 13,600 | 13,600 | 55 |
| 60 | 55.5 | 11,900 | 12,100 | 59.0 | 12,000 | 12,200 | 61.5 | 12,100 | 12,300 | 60 |
| 65 | 52.0 | 10,100 | 10,300 | 56.0 | 10,100 | 10,400 | 58.5 | 10,200 | 10,400 | 65 |
| 70 | 48.0 | 8,500 | 8,800 | 53.0 | 8,600 | 8,900 | 56.0 | 8,600 | 8,900 | 70 |
| 75 | 44.5 | 7,200 | 7,500 | 49.5 | 7,200 | 7,600 | 53.0 | 7,300 | 7,600 | 75 |
| 80 | 40.5 | 6,000 | 6,400 | 46.5 | 6,100 | 6,500 | 49.5 | 6,200 | 6,500 | 80 |
| 85 | 35.5 | 5,100 | 5,400 | 42.5 | 5,100 | 5,500 | 46.5 | 5,200 | 5,600 | 85 |
| 90 | 30.5 | 4,200 | 4,600 | 38.5 | 4,300 | 4,700 | 43.0 | 4,300 | 4,700 | 90 |
| 95 | 24.5 | 3,500 | 3,800 | 34.5 | 3,600 | 3,900 | 39.5 | 3,600 | 4,000 | 95 |
| 100 | 16.0 | 2,800 | 3,100 | 29.5 | 2,900 | 3,200 | 35.5 | 2,900 | 3,300 | 100 |
| Min.Bm. Ang/ Cap. | 10.5 (101.9) | | | 26.0 (102.8) | | | 32.5 (103.1) | | | Min.Bm. Ang/ Cap. |

Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

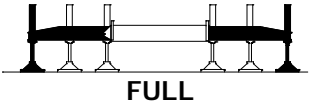
(Loaded Boom Angle In Degrees.

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

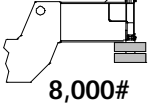
* This capacity based on maximum obtainable boom angle.



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



FULL



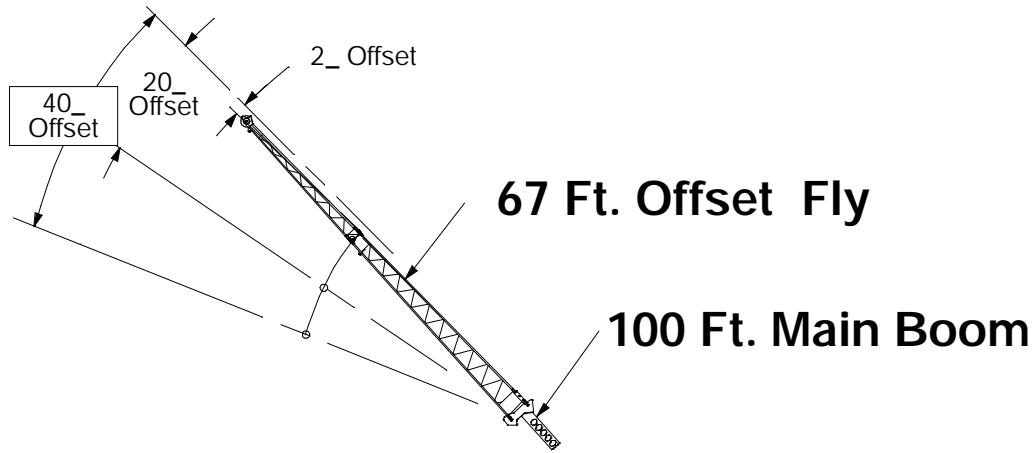
8,000#

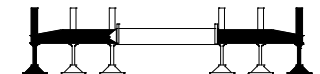
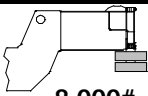
| Load Radius (Ft.) | 2_ Offset | | 20_ Offset | | 40_ Offset | | Load Radius (Ft.) |
|-------------------|-----------|--------|------------|-------|------------|-------|-------------------|
| | (° | 360_ | (° | 360_ | (° | 360_ | |
| 30 | 77.0 | 13,900 | | | | | 30 |
| 35 | 75.0 | 13,400 | | | | | 35 |
| 40 | 73.0 | 12,800 | | | | | 40 |
| 45 | 71.0 | 12,200 | 76.0 | 9,400 | | | 45 |
| 50 | 69.0 | 11,700 | 74.0 | 8,900 | | | 50 |
| 55 | 67.0 | 11,100 | 71.5 | 8,500 | 76.0 | 6,600 | 55 |
| 60 | 64.5 | 10,600 | 69.5 | 8,100 | 73.5 | 6,400 | 60 |
| 65 | 62.5 | 10,100 | 67.0 | 7,800 | 71.0 | 6,300 | 65 |
| 70 | 60.0 | 9,700 | 64.5 | 7,400 | 68.5 | 6,100 | 70 |
| 75 | 57.5 | 8,800 | 62.0 | 7,200 | 66.0 | 6,000 | 75 |
| 80 | 54.5 | 7,600 | 59.5 | 6,900 | 63.5 | 5,800 | 80 |
| 85 | 52.0 | 6,600 | 57.0 | 6,600 | 60.5 | 5,700 | 85 |
| 90 | 49.0 | 5,700 | 54.0 | 6,400 | 57.5 | 5,600 | 90 |
| 95 | 46.0 | 5,000 | 51.0 | 5,600 | 54.5 | 5,500 | 95 |
| 100 | 42.5 | 4,300 | 48.0 | 4,900 | 51.0 | 5,200 | 100 |
| 105 | 39.5 | 3,700 | 44.5 | 4,200 | 47.5 | 4,500 | 105 |
| 110 | 35.5 | 3,100 | 40.5 | 3,600 | 43.0 | 3,800 | 110 |
| 115 | 31.5 | 2,700 | 36.5 | 3,000 | | | 115 |
| 120 | 27.0 | 2,200 | 31.5 | 2,500 | | | 120 |
| 125 | | | 25.5 | 2,000 | | | 125 |

⚠ WARNING
Do Not Lower 39.5 Ft. Offset Fly In Working Position Below 23.5 Degrees Main Boom Angle Unless Main Boom Length Is 92 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

(° Loaded Boom Angle In Degrees.



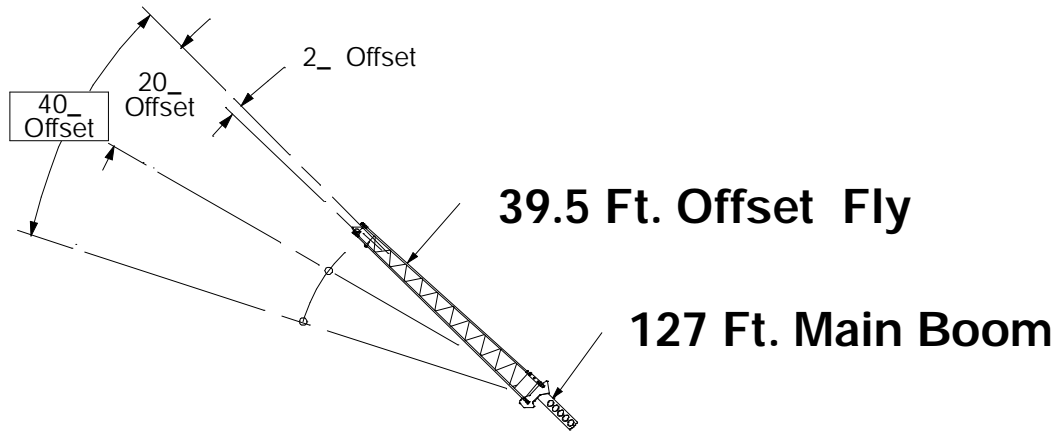
| Rated Lifting Capacities In Pounds On Fully Extended Outriggers See Set Up Note 2. | |  FULL | |  8,000# | | | |
|--|-----------|--|------------|--|------------|-------|-------------------|
| Load Radius (Ft.) | 2_ Offset | | 20_ Offset | | 40_ Offset | | Load Radius (Ft.) |
| | (° | 360_ | (° | 360_ | (° | 360_ | |
| 40 | 77.0 | 8,300 | | | | | 40 |
| 45 | 75.5 | 7,900 | | | | | 45 |
| 50 | 73.5 | 7,500 | | | | | 50 |
| 55 | 72.0 | 7,100 | | | | | 55 |
| 60 | 70.0 | 6,600 | 77.0 | 4,700 | | | 60 |
| 65 | 68.5 | 6,200 | 75.5 | 4,500 | | | 65 |
| 70 | 66.5 | 5,800 | 73.5 | 4,200 | | | 70 |
| 75 | 64.5 | 5,500 | 71.5 | 4,000 | | | 75 |
| 80 | 62.5 | 5,200 | 69.5 | 3,900 | 76.0 | 3,000 | 80 |
| 85 | 60.5 | 4,900 | 67.5 | 3,700 | 74.0 | 3,000 | 85 |
| 90 | 58.5 | 4,600 | 65.5 | 3,500 | 72.0 | 2,900 | 90 |
| 95 | 56.5 | 4,400 | 63.5 | 3,400 | 69.5 | 2,800 | 95 |
| 100 | 54.5 | 4,200 | 61.5 | 3,300 | 67.5 | 2,700 | 100 |
| 105 | 52.0 | 3,900 | 59.0 | 3,200 | 65.0 | 2,700 | 105 |
| 110 | 50.0 | 3,800 | 57.0 | 3,100 | 62.5 | 2,600 | 110 |
| 115 | 47.5 | 3,400 | 54.5 | 3,000 | 60.0 | 2,600 | 115 |
| 120 | 44.5 | 2,900 | 52.0 | 2,900 | 57.0 | 2,500 | 120 |
| 125 | 42.0 | 2,500 | 49.0 | 2,800 | 54.0 | 2,500 | 125 |
| 130 | 39.0 | 2,100 | 46.5 | 2,700 | 50.5 | 2,500 | 130 |
| 135 | | | 43.0 | 2,300 | 47.0 | 2,500 | 135 |
| 140 | | | 39.5 | 1,900 | 42.5 | 2,100 | 140 |

⚠ WARNING

Do Not Lower 67 Ft. Offset Fly In Working Position Below 37 Degrees Main Boom Angle Unless Main Boom Length Is 98 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

(° Loaded Boom Angle In Degrees.



| Rated Lifting Capacities In Pounds On Fully Extended Outriggers See Set Up Note 2. | | FULL | | 8,000# | | Load Radius (Ft.) | |
|--|------|-----------|------------|------------|------|-------------------------|-------------------------|
| | | 2_ Offset | 20_ Offset | 40_ Offset | | | |
| Load Radius (Ft.) | (° | 360_ | (° | 360_ | (° | 360_ | Load Radius (Ft.) |
| | 35 | 78.0* | 8,300 | | | | |
| 40 | 76.5 | 8,300 | | | | | 40 |
| 45 | 75.0 | 8,300 | | | | | 45 |
| 50 | 73.5 | 8,300 | 78.0* | 8,200 | | | 50 |
| 55 | 71.5 | 8,300 | 76.0 | 8,000 | | | 55 |
| 60 | 70.0 | 8,300 | 74.5 | 7,800 | | | 60 |
| 65 | 68.5 | 8,300 | 72.5 | 7,600 | 76.0 | 6,200 | 65 |
| 70 | 67.0 | 8,300 | 71.0 | 7,400 | 74.5 | 6,100 | 70 |
| 75 | 65.0 | 7,800 | 69.0 | 7,200 | 72.5 | 6,000 | 75 |
| 80 | 63.0 | 7,100 | 67.0 | 7,000 | 70.5 | 5,800 | 80 |
| 85 | 60.5 | 6,200 | 65.5 | 6,800 | 68.5 | 5,700 | 85 |
| 90 | 58.5 | 5,400 | 63.0 | 6,200 | 66.5 | 5,700 | 90 |
| 95 | 56.0 | 4,600 | 60.5 | 5,400 | 64.0 | 5,600 | 95 |
| 100 | 53.5 | 3,900 | 58.5 | 4,600 | 62.0 | 5,200 | 100 |
| 105 | 51.5 | 3,300 | 56.0 | 4,000 | 59.0 | 4,400 | 105 |
| 110 | 49.0 | 2,800 | 53.5 | 3,400 | 56.5 | 3,800 | 110 |
| 115 | 46.0 | 2,300 | 50.5 | 2,800 | 53.5 | 3,200 | 115 |
| 120 | | | 48.0 | 2,300 | 50.5 | 2,600 | 120 |
| 125 | | | | | 47.5 | 2,100 | 125 |

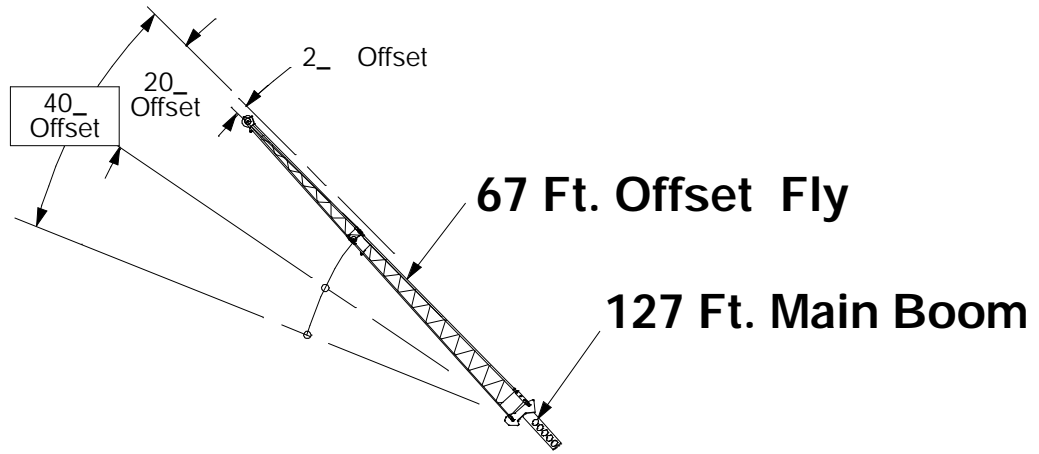
⚠ WARNING

Do Not Lower 39.5 Ft. Offset Fly In Working Position Below 45 Degrees Main Boom Angle Unless Main Boom Length Is 92 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

(Loaded Boom Angle In Degrees.

* This capacity based on maximum obtainable boom angle.



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

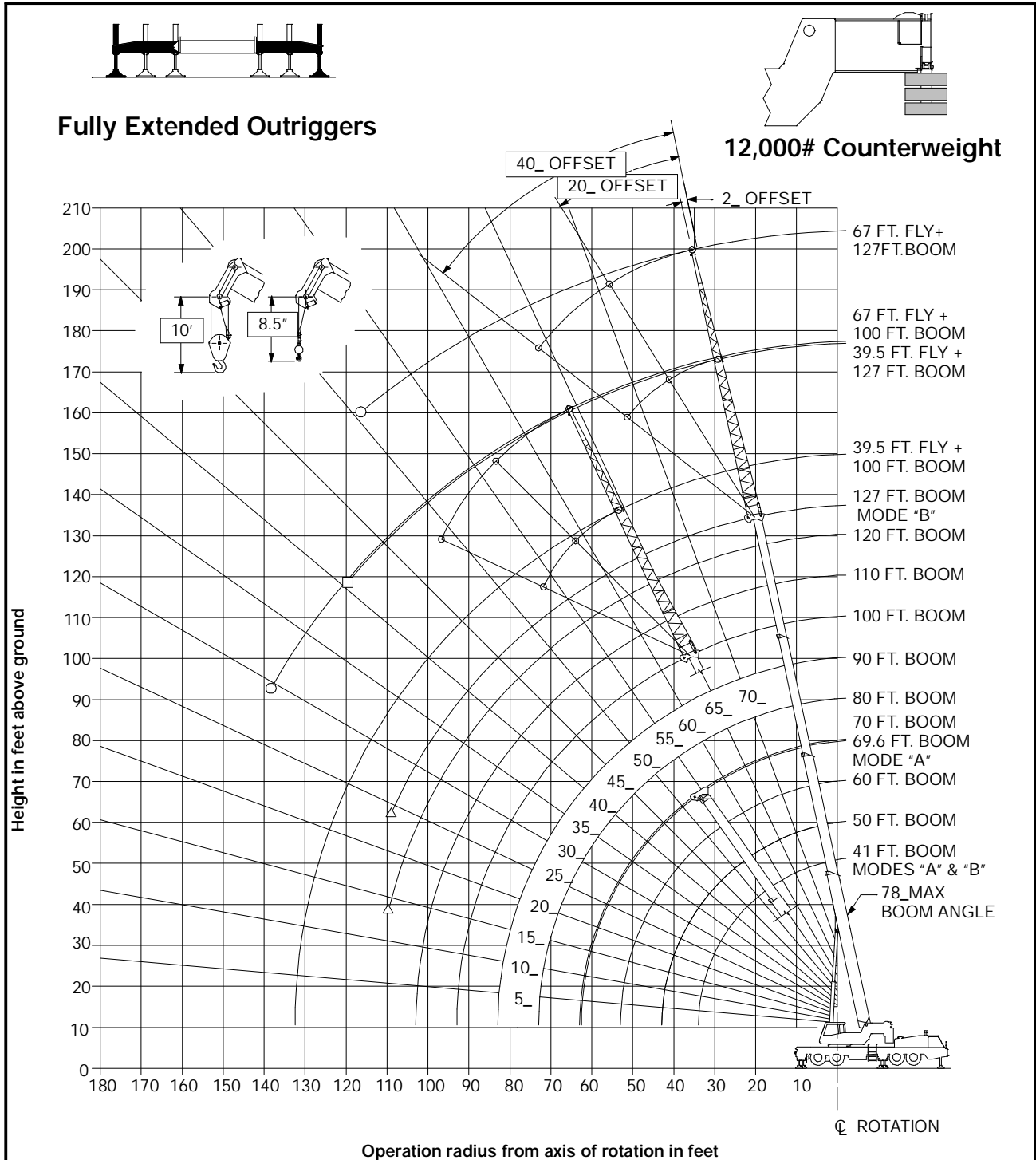
⚠ WARNING

Do Not Lower 67 Ft. Offset Fly In Working Position Below 54.5 Degrees Main Boom Angle Unless Main Boom Length Is 98 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

(Loaded Boom Angle In Degrees.

WORKING RANGE DIAGRAM



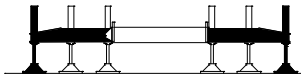
- f Denotes Main Boom + 67' Fly- -Boom Mode "B"
- j Denotes Main Boom + 39.5' Fly- -Boom Mode "B"
- △ Denotes Main Boom -- Boom Mode "B"

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

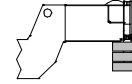
WARNING

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

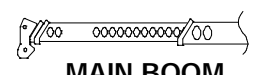
**Rated Lifting Capacities In Pounds
On Fully Extended Outriggers
See Set Up Note 2.**



FULL



12,000#



**MAIN BOOM
"A"**

| Load Radius (Ft.) | 41 Ft. | | | 50 Ft. | | | Load Radius (Ft.) |
|-------------------|----------|---------|-----------|----------|--------|-----------|-------------------|
| | (°) | 360° | Over Rear | (°) | 360° | Over Rear | |
| 9 | 70.5 | 140,000 | 140,000 | | | | 9 |
| 10 | 69.0 | 127,500 | 127,500 | 73.0 | 75,100 | 75,100 | 10 |
| 12 | 66.0 | 113,600 | 113,600 | 70.5 | 75,100 | 75,100 | 12 |
| 15 | 61.0 | 97,300 | 97,300 | 67.0 | 75,100 | 75,100 | 15 |
| 20 | 52.5 | 73,100 | 73,100 | 60.5 | 72,500 | 72,500 | 20 |
| 25 | 42.5 | 56,100 | 56,100 | 53.0 | 55,600 | 55,600 | 25 |
| 30 | 29.0 | 41,900 | 41,900 | 45.5 | 41,300 | 41,300 | 30 |
| 35 | | | | 36.0 | 31,300 | 31,300 | 35 |
| 40 | | | | 23.0 | 24,500 | 24,500 | 40 |
| Min.Boom Ang/Cap. | 0 (34.0) | 21,100 | 21,100 | 0 (43.0) | 15,900 | 15,900 | Min.Boom Ang/Cap. |

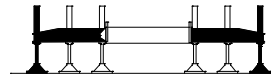
| Load Radius (Ft.) | 60 Ft. | | | 69.6 Ft. | | | Load Radius (Ft.) |
|-------------------|----------|--------|-----------|----------|--------|-----------|-------------------|
| | (°) | 360° | Over Rear | (°) | 360° | Over Rear | |
| 10 | 76.5 | 74,000 | 74,000 | | | | 10 |
| 12 | 74.5 | 74,000 | 74,000 | 76.5 | 43,900 | 43,900 | 12 |
| 15 | 71.5 | 74,000 | 74,000 | 74.5 | 43,900 | 43,900 | 15 |
| 20 | 66.0 | 72,000 | 72,000 | 70.0 | 43,900 | 43,900 | 20 |
| 25 | 60.5 | 55,200 | 55,200 | 65.5 | 43,900 | 43,900 | 25 |
| 30 | 54.5 | 40,600 | 40,600 | 61.0 | 37,900 | 37,900 | 30 |
| 35 | 48.5 | 30,800 | 30,800 | 55.5 | 30,400 | 30,400 | 35 |
| 40 | 41.0 | 24,200 | 24,200 | 50.5 | 23,800 | 23,800 | 40 |
| 45 | 32.5 | 19,300 | 19,300 | 44.5 | 19,000 | 19,000 | 45 |
| 50 | 21.0 | 15,500 | 15,500 | 37.5 | 15,300 | 15,300 | 50 |
| 55 | | | | 29.5 | 12,500 | 12,500 | 55 |
| 60 | | | | 18.5 | 10,100 | 10,100 | 60 |
| Min.Boom Ang/Cap. | 0 (53.0) | 10,800 | 10,800 | 0 (62.6) | 7,300 | 7,300 | Min.Boom Ang/Cap. |

Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

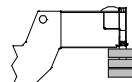
(°) Loaded Boom Angle In Degrees.

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

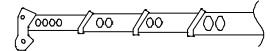
**Rated Lifting Capacities In Pounds
On Fully Extended Outriggers
See Set Up Note 2.**



FULL



12,000#



**MAIN BOOM
"B"**

| Load Radius (Ft.) | 41 Ft. | | | 50 Ft. | | | Load Radius (Ft.) |
|-------------------|----------|---------|-----------|----------|--------|-----------|-------------------|
| | (° | 360° | Over Rear | (° | 360° | Over Rear | |
| 9 | 70.5 | 140,000 | 140,000 | | | | 9 |
| 10 | 69.0 | 127,500 | 127,500 | 73.0 | 38,000 | 38,000 | 10 |
| 12 | 66.0 | 113,600 | 113,600 | 70.5 | 38,000 | 38,000 | 12 |
| 15 | 61.0 | 97,300 | 97,300 | 67.0 | 38,000 | 38,000 | 15 |
| 20 | 52.5 | 73,100 | 73,100 | 60.5 | 38,000 | 38,000 | 20 |
| 25 | 42.5 | 56,100 | 56,100 | 53.0 | 38,000 | 38,000 | 25 |
| 30 | 29.0 | 41,900 | 41,900 | 45.5 | 38,000 | 38,000 | 30 |
| 35 | | | | 36.0 | 32,800 | 32,800 | 35 |
| 40 | | | | 23.0 | 25,800 | 25,800 | 40 |
| Min.Bm. Ang/Cap. | 0 (34.0) | 21,100 | 21,100 | 0 (43.0) | 14,900 | 14,900 | Min.Bm. Ang/Cap. |

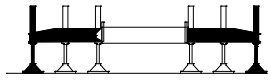
| Load Radius (Ft.) | 60 Ft. | | | 70 Ft. | | | Load Radius (Ft.) |
|-------------------|----------|--------|-----------|----------|--------|-----------|-------------------|
| | (° | 360° | Over Rear | (° | 360° | Over Rear | |
| 10 | 76.0 | 38,000 | 38,000 | | | | 10 |
| 12 | 74.0 | 38,000 | 38,000 | 76.5 | 38,000 | 38,000 | 12 |
| 15 | 71.0 | 38,000 | 38,000 | 74.5 | 38,000 | 38,000 | 15 |
| 20 | 66.0 | 38,000 | 38,000 | 70.0 | 38,000 | 38,000 | 20 |
| 25 | 60.5 | 38,000 | 38,000 | 65.5 | 38,000 | 38,000 | 25 |
| 30 | 54.5 | 38,000 | 38,000 | 60.5 | 38,000 | 38,000 | 30 |
| 35 | 48.0 | 33,300 | 33,300 | 55.5 | 33,600 | 33,600 | 35 |
| 40 | 41.0 | 26,500 | 26,500 | 50.5 | 26,800 | 26,800 | 40 |
| 45 | 32.5 | 21,500 | 21,500 | 44.5 | 21,900 | 21,900 | 45 |
| 50 | 21.0 | 17,700 | 17,700 | 38.0 | 18,200 | 18,200 | 50 |
| 55 | | | | 30.0 | 15,200 | 15,200 | 55 |
| 60 | | | | 19.5 | 12,800 | 12,800 | 60 |
| Min.Bm. Ang/Cap. | 0 (53.0) | 10,500 | 10,500 | 0 (63.0) | 7,600 | 7,600 | Min.Bm. Ang/Cap. |

Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

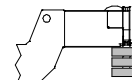
(Loaded Boom Angle In Degrees.

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

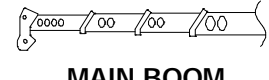
**Rated Lifting Capacities In Pounds
On Fully Extended Outriggers
See Set Up Note 2.**



FULL



12,000#



**MAIN BOOM
"B"**

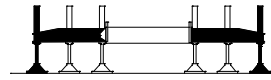
| Load Radius (Ft.) | 80 Ft. | | | 90 Ft. | | | 100 Ft. | | | Load Radius (Ft.) |
|-------------------|----------|--------|-----------|----------|--------|-----------|----------|--------|-----------|-------------------|
| | (°) | 360° | Over Rear | (°) | 360° | Over Rear | (°) | 360° | Over Rear | |
| 15 | 76.5 | 38,000 | 38,000 | | | | | | | 15 |
| 20 | 73.0 | 38,000 | 38,000 | 75.0 | 38,000 | 38,000 | 77.0 | 37,400 | 37,400 | 20 |
| 25 | 69.5 | 38,000 | 38,000 | 72.0 | 38,000 | 38,000 | 74.0 | 32,700 | 32,700 | 25 |
| 30 | 65.0 | 38,000 | 38,000 | 68.5 | 37,900 | 37,900 | 71.0 | 29,000 | 29,000 | 30 |
| 35 | 61.0 | 33,800 | 33,800 | 65.0 | 33,900 | 33,900 | 68.0 | 26,000 | 26,000 | 35 |
| 40 | 56.5 | 27,000 | 27,000 | 61.5 | 27,200 | 27,200 | 65.0 | 23,400 | 23,400 | 40 |
| 45 | 52.0 | 22,200 | 22,200 | 57.5 | 22,300 | 22,300 | 61.5 | 21,200 | 21,200 | 45 |
| 50 | 47.0 | 18,400 | 18,400 | 53.5 | 18,600 | 18,600 | 58.0 | 18,700 | 18,700 | 50 |
| 55 | 41.5 | 15,500 | 15,500 | 49.0 | 15,600 | 15,600 | 54.5 | 15,800 | 15,800 | 55 |
| 60 | 35.5 | 13,100 | 13,100 | 44.5 | 13,300 | 13,300 | 50.5 | 13,400 | 13,400 | 60 |
| 65 | 28.0 | 11,200 | 11,200 | 39.5 | 11,400 | 11,400 | 46.5 | 11,500 | 11,600 | 65 |
| 70 | 18.0 | 9,500 | 9,500 | 33.5 | 9,700 | 9,800 | 42.0 | 9,800 | 9,900 | 70 |
| 75 | | | | 26.5 | 8,300 | 8,400 | 37.5 | 8,400 | 8,500 | 75 |
| 80 | | | | 17.0 | 7,000 | 7,100 | 32.0 | 7,200 | 7,300 | 80 |
| 85 | | | | | | | 25.5 | 6,100 | 6,300 | 85 |
| 90 | | | | | | | 16.5 | 5,200 | 5,300 | 90 |
| Min.Bm. Ang/ Cap. | 0 (73.0) | 5,500 | 5,500 | 0 (83.0) | 3,900 | 3,900 | 0 (93.0) | 2,700 | 2,700 | Min.Bm. Ang/ Cap. |

Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

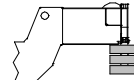
(°) Loaded Boom Angle In Degrees.

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

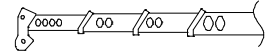
**Rated Lifting Capacities In Pounds
On Fully Extended Outriggers
See Set Up Note 2.**



FULL



12,000#



**MAIN BOOM
"B"**

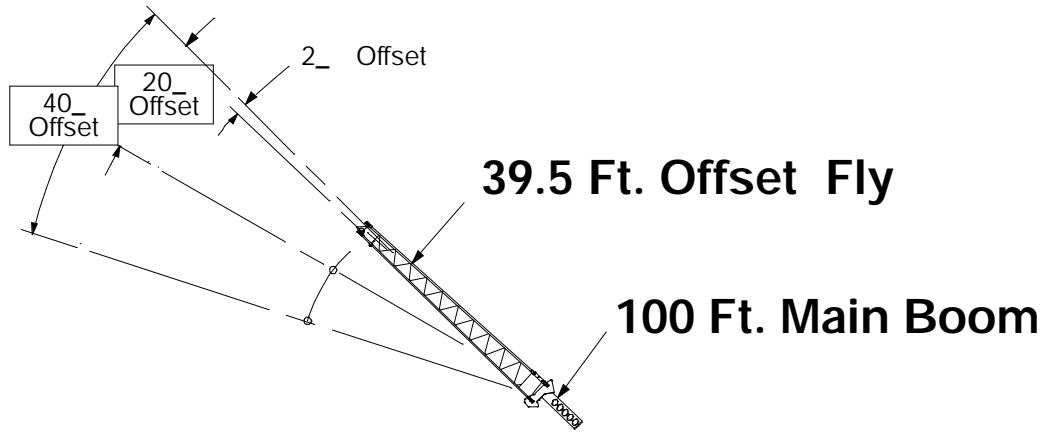
| Load Radius (Ft.) | 110 Ft. | | | 120 Ft. | | | 127 Ft. | | | Load Radius (Ft.) |
|-------------------|-----------|--------|-----------|--------------|--------|-----------|--------------|--------|-----------|-------------------|
| | (° | 360° | Over Rear | (° | 360° | Over Rear | (° | 360° | Over Rear | |
| 25 | 76.0 | 29,400 | 29,400 | 77.5 | 23,300 | 23,300 | 78.0* | 19,600 | 19,600 | 25 |
| 30 | 73.5 | 26,200 | 26,200 | 75.0 | 23,300 | 23,300 | 76.0 | 19,600 | 19,600 | 30 |
| 35 | 70.5 | 23,500 | 23,500 | 72.5 | 21,500 | 21,500 | 74.0 | 19,600 | 19,600 | 35 |
| 40 | 68.0 | 21,200 | 21,200 | 70.0 | 19,400 | 19,400 | 71.5 | 18,400 | 18,400 | 40 |
| 45 | 65.0 | 19,200 | 19,200 | 67.5 | 17,600 | 17,600 | 69.0 | 16,400 | 16,400 | 45 |
| 50 | 62.0 | 17,400 | 17,400 | 65.0 | 15,800 | 15,800 | 66.5 | 14,900 | 14,900 | 50 |
| 55 | 59.0 | 15,800 | 15,800 | 62.0 | 14,400 | 14,400 | 64.0 | 13,600 | 13,600 | 55 |
| 60 | 55.5 | 13,500 | 13,500 | 59.5 | 13,200 | 13,200 | 61.5 | 12,500 | 12,500 | 60 |
| 65 | 52.0 | 11,600 | 11,600 | 56.5 | 11,700 | 11,700 | 59.0 | 11,500 | 11,500 | 65 |
| 70 | 48.5 | 9,900 | 10,000 | 53.0 | 10,000 | 10,100 | 56.0 | 10,000 | 10,100 | 70 |
| 75 | 44.5 | 8,500 | 8,600 | 50.0 | 8,600 | 8,700 | 53.0 | 8,600 | 8,800 | 75 |
| 80 | 40.5 | 7,300 | 7,500 | 46.5 | 7,300 | 7,500 | 50.0 | 7,400 | 7,600 | 80 |
| 85 | 36.0 | 6,200 | 6,400 | 43.0 | 6,300 | 6,500 | 46.5 | 6,300 | 6,500 | 85 |
| 90 | 30.5 | 5,300 | 5,500 | 39.0 | 5,400 | 5,600 | 43.0 | 5,400 | 5,600 | 90 |
| 95 | 24.5 | 4,500 | 4,700 | 34.5 | 4,600 | 4,800 | 39.5 | 4,600 | 4,800 | 95 |
| 100 | 16.0 | 3,700 | 3,900 | 29.5 | 3,800 | 4,100 | 35.5 | 3,900 | 4,100 | 100 |
| 105 | | | | 23.5 | 3,200 | 3,400 | 31.0 | 3,200 | 3,500 | 105 |
| 110 | | | | 15.5 | 2,600 | 2,800 | 25.5 | 2,700 | 2,900 | 110 |
| Min.Bm. Ang/ Cap. | 0 (103.0) | 1,700 | 1,700 | 13.5 (110.9) | | | 24.0 (111.2) | | | Min.Bm. Ang/ Cap. |

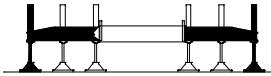
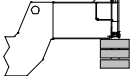
Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

(° Loaded Boom Angle In Degrees.

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

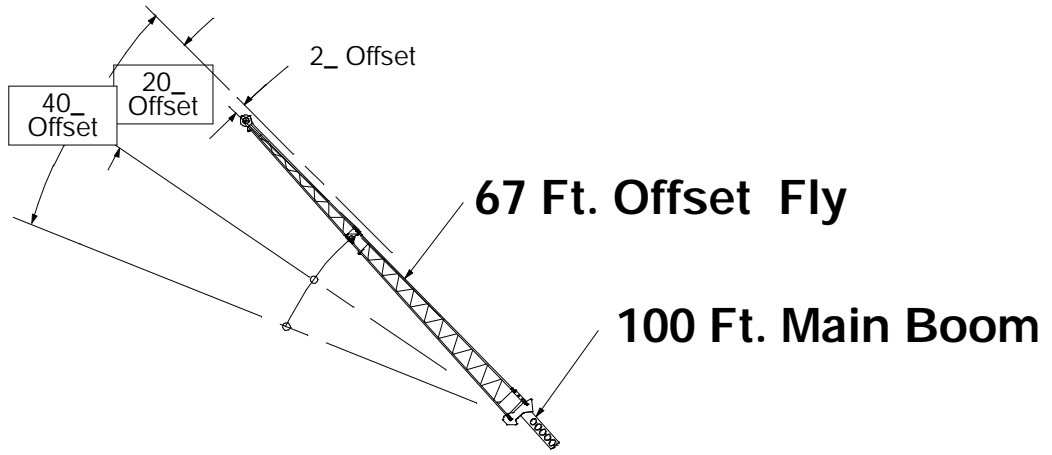
* This capacity based on maximum obtainable boom angle.




| Rated Lifting Capacities In Pounds On Fully Extended Outriggers See Set Up Note 2. | |  FULL | |  12,000# | | | |
|--|-----------|--|------------|---|------------|-------|-------------------|
| Load Radius (Ft.) | 2_ Offset | | 20_ Offset | | 40_ Offset | | Load Radius (Ft.) |
| | (° | 360_ | (° | 360_ | (° | 360_ | |
| 30 | 77.0 | 13,900 | | | | | 30 |
| 35 | 75.0 | 13,400 | | | | | 35 |
| 40 | 73.0 | 12,800 | | | | | 40 |
| 45 | 71.0 | 12,200 | 76.0 | 9,400 | | | 45 |
| 50 | 69.0 | 11,700 | 74.0 | 8,900 | | | 50 |
| 55 | 67.0 | 11,100 | 71.5 | 8,500 | 76.0 | 6,600 | 55 |
| 60 | 64.5 | 10,600 | 69.5 | 8,100 | 73.5 | 6,400 | 60 |
| 65 | 62.5 | 10,100 | 67.0 | 7,800 | 71.0 | 6,300 | 65 |
| 70 | 60.0 | 9,700 | 64.5 | 7,400 | 68.5 | 6,100 | 70 |
| 75 | 57.5 | 9,200 | 62.0 | 7,200 | 66.0 | 6,000 | 75 |
| 80 | 55.0 | 8,700 | 59.5 | 6,900 | 63.5 | 5,800 | 80 |
| 85 | 52.0 | 7,800 | 57.0 | 6,600 | 60.5 | 5,700 | 85 |
| 90 | 49.5 | 6,800 | 54.0 | 6,400 | 57.5 | 5,600 | 90 |
| 95 | 46.0 | 6,000 | 51.5 | 6,200 | 54.5 | 5,500 | 95 |
| 100 | 43.0 | 5,200 | 48.0 | 5,800 | 51.5 | 5,500 | 100 |
| 105 | 39.5 | 4,600 | 44.5 | 5,100 | 47.5 | 5,400 | 105 |
| 110 | 36.0 | 4,000 | 41.0 | 4,400 | 43.5 | 4,600 | 110 |
| 115 | 32.0 | 3,500 | 36.5 | 3,800 | 38.5 | 4,000 | 115 |
| 120 | 27.5 | 3,000 | 31.5 | 3,300 | | | 120 |
| 125 | 21.5 | 2,600 | 25.5 | 2,700 | | | 125 |
| 130 | 14.0 | 2,200 | | | | | 130 |
| Min.Boom Ang/Cap. | 0 | 600 | 0 | 600 | 0 | 700 | Min.Boom Ang/Cap. |

Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

(° Loaded Boom Angle In Degrees.



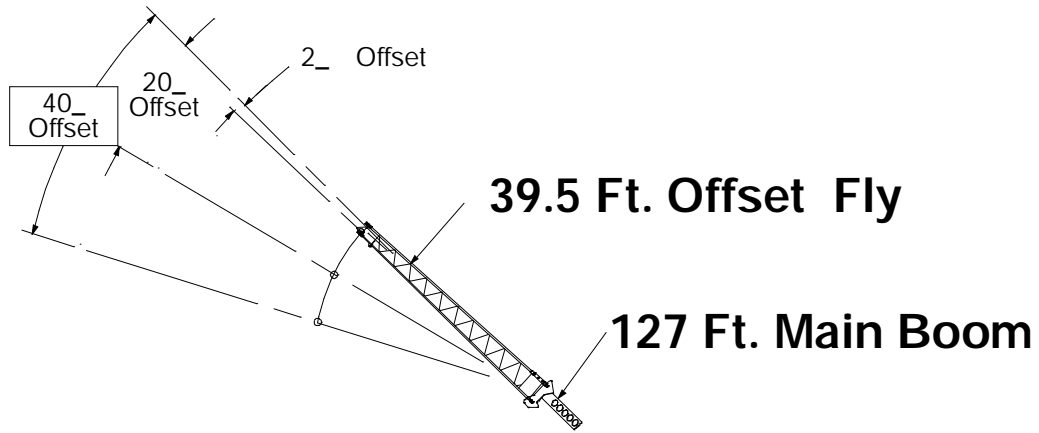
| Rated Lifting Capacities In Pounds On Fully Extended Outriggers See Set Up Note 2. | | | | | | | |
|---|-----------|-------|------------|-------|------------|-------|-------------------|
|  FULL 12,000# | | | | | | | |
| Load Radius (Ft.) | 2_ Offset | | 20_ Offset | | 40_ Offset | | Load Radius (Ft.) |
| | (° | 360_ | (° | 360_ | (° | 360_ | |
| 40 | 77.0 | 8,300 | | | | | 40 |
| 45 | 75.5 | 7,900 | | | | | 45 |
| 50 | 73.5 | 7,500 | | | | | 50 |
| 55 | 72.0 | 7,100 | | | | | 55 |
| 60 | 70.0 | 6,600 | 77.0 | 4,700 | | | 60 |
| 65 | 68.5 | 6,200 | 75.5 | 4,500 | | | 65 |
| 70 | 66.5 | 5,800 | 73.5 | 4,200 | | | 70 |
| 75 | 64.5 | 5,500 | 71.5 | 4,000 | | | 75 |
| 80 | 62.5 | 5,200 | 69.5 | 3,900 | 76.0 | 3,000 | 80 |
| 85 | 60.5 | 4,900 | 67.5 | 3,700 | 74.0 | 3,000 | 85 |
| 90 | 58.5 | 4,600 | 65.5 | 3,500 | 72.0 | 2,900 | 90 |
| 95 | 56.5 | 4,400 | 63.5 | 3,400 | 69.5 | 2,800 | 95 |
| 100 | 54.5 | 4,200 | 61.5 | 3,300 | 67.5 | 2,700 | 100 |
| 105 | 52.0 | 3,900 | 59.0 | 3,200 | 65.0 | 2,700 | 105 |
| 110 | 50.0 | 3,800 | 57.0 | 3,100 | 62.5 | 2,600 | 110 |
| 115 | 47.5 | 3,600 | 54.5 | 3,000 | 60.0 | 2,600 | 115 |
| 120 | 45.0 | 3,400 | 52.0 | 2,900 | 57.0 | 2,500 | 120 |
| 125 | 42.5 | 3,200 | 49.0 | 2,800 | 54.0 | 2,500 | 125 |
| 130 | 39.5 | 2,800 | 46.5 | 2,700 | 50.5 | 2,500 | 130 |
| 135 | 36.0 | 2,400 | 43.0 | 2,600 | 47.0 | 2,500 | 135 |
| 140 | 33.0 | 2,100 | 39.5 | 2,500 | 42.5 | 2,500 | 140 |
| 145 | | | 35.5 | 2,100 | | | 145 |
| 150 | | | 30.5 | 1,800 | | | 150 |

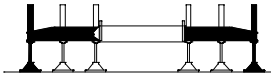
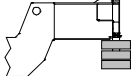
⚠ WARNING

Do Not Lower 67 Ft. Offset Fly In Working Position Below 29.5 Degrees Main Boom Angle Unless Main Boom Length Is 92 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

(Loaded Boom Angle In Degrees.



| Rated Lifting Capacities In Pounds On Fully Extended Outriggers See Set Up Note 2. | |  | |  | | | |
|--|-----------|---|------------|---|------------|-------|-------------------|
| | | FULL | | 12,000# | | | |
| Load Radius (Ft.) | 2_ Offset | | 20_ Offset | | 40_ Offset | | Load Radius (Ft.) |
| | (° | 360_ | (° | 360_ | (° | 360_ | |
| 35 | 78.0* | 8,300 | | | | | 35 |
| 40 | 76.5 | 8,300 | | | | | 40 |
| 45 | 75.0 | 8,300 | | | | | 45 |
| 50 | 73.5 | 8,300 | 78.0* | 8,200 | | | 50 |
| 55 | 71.5 | 8,300 | 76.0 | 8,000 | | | 55 |
| 60 | 70.0 | 8,300 | 74.5 | 7,800 | | | 60 |
| 65 | 68.5 | 8,300 | 72.5 | 7,600 | 76.0 | 6,200 | 65 |
| 70 | 67.0 | 8,300 | 71.0 | 7,400 | 74.5 | 6,100 | 70 |
| 75 | 65.0 | 7,800 | 69.0 | 7,200 | 72.5 | 6,000 | 75 |
| 80 | 63.0 | 7,100 | 67.0 | 7,000 | 70.5 | 5,800 | 80 |
| 85 | 60.5 | 6,600 | 65.5 | 6,800 | 68.5 | 5,700 | 85 |
| 90 | 58.5 | 6,000 | 63.0 | 6,300 | 66.5 | 5,700 | 90 |
| 95 | 56.5 | 5,600 | 61.0 | 5,800 | 64.0 | 5,600 | 95 |
| 100 | 54.0 | 4,900 | 58.5 | 5,300 | 62.0 | 5,500 | 100 |
| 105 | 51.5 | 4,200 | 56.5 | 4,900 | 59.5 | 5,100 | 105 |
| 110 | 49.0 | 3,600 | 53.5 | 4,200 | 57.0 | 4,600 | 110 |
| 115 | 46.5 | 3,100 | 51.0 | 3,600 | 54.0 | 4,000 | 115 |
| 120 | 44.0 | 2,600 | 48.0 | 3,100 | 51.0 | 3,400 | 120 |
| 125 | | | 45.5 | 2,600 | 48.0 | 2,900 | 125 |
| 130 | | | 42.0 | 2,200 | 44.5 | 2,400 | 130 |

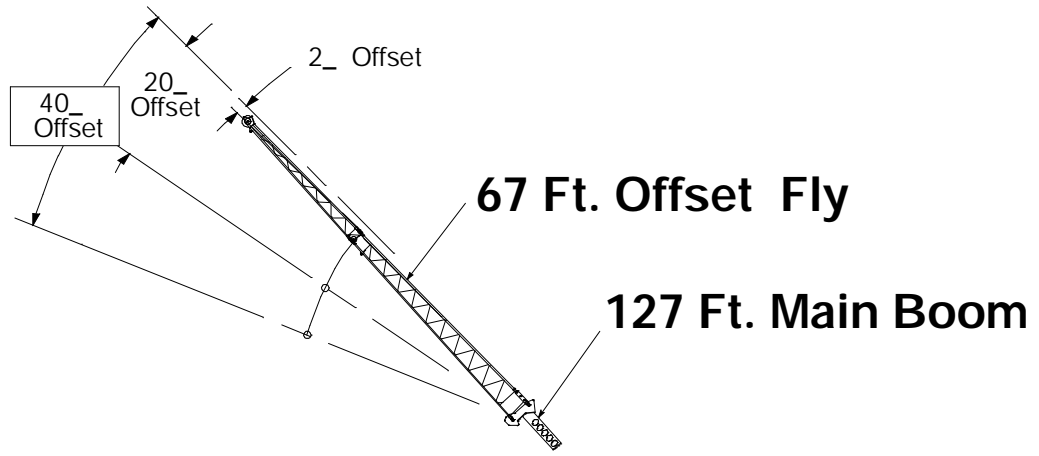
⚠ WARNING

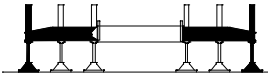
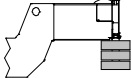
Do Not Lower 39.5 Ft. Offset Fly In Working Position Below 40.5 Degrees Main Boom Angle Unless Main Boom Length Is 100 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

(Loaded Boom Angle In Degrees.

* This capacity based on maximum obtainable boom angle.



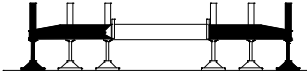
| Rated Lifting Capacities In Pounds On Fully Extended Outriggers See Set Up Note 2. | |  FULL | |  12,000# | | | |
|--|-----------|---|------------|---|------------|-------|-------------------|
| Load Radius (Ft.) | 2_ Offset | | 20_ Offset | | 40_ Offset | | Load Radius (Ft.) |
| | (° | 360_ | (° | 360_ | (° | 360_ | |
| 50 | 76.5 | 5,500 | | | | | 50 |
| 55 | 75.5 | 5,500 | | | | | 55 |
| 60 | 74.0 | 5,500 | | | | | 60 |
| 65 | 73.0 | 5,500 | | | | | 65 |
| 70 | 71.5 | 5,500 | 77.5 | 4,200 | | | 70 |
| 75 | 70.0 | 5,300 | 76.0 | 4,000 | | | 75 |
| 80 | 68.5 | 5,100 | 74.5 | 3,900 | | | 80 |
| 85 | 67.0 | 4,900 | 73.0 | 3,800 | | | 85 |
| 90 | 65.5 | 4,800 | 71.5 | 3,600 | 77.0 | 2,900 | 90 |
| 95 | 64.0 | 4,600 | 70.0 | 3,500 | 75.0 | 2,800 | 95 |
| 100 | 62.0 | 4,300 | 68.0 | 3,400 | 73.5 | 2,800 | 100 |
| 105 | 60.5 | 3,900 | 66.5 | 3,300 | 71.5 | 2,700 | 105 |
| 110 | 58.5 | 3,600 | 64.5 | 3,200 | 70.0 | 2,600 | 110 |
| 115 | 56.5 | 3,200 | 63.0 | 3,100 | 68.0 | 2,600 | 115 |
| 120 | 54.5 | 2,900 | 61.0 | 3,000 | 66.0 | 2,600 | 120 |
| 125 | 52.5 | 2,700 | 59.0 | 2,900 | 64.0 | 2,500 | 125 |
| 130 | | | 57.0 | 2,600 | 61.5 | 2,500 | 130 |
| 135 | | | 54.5 | 2,300 | 59.5 | 2,500 | 135 |
| 140 | | | 52.5 | 2,100 | 57.0 | 2,300 | 140 |
| 145 | | | | | 54.5 | 2,000 | 145 |
| 150 | | | | | 51.5 | 1,800 | 150 |

⚠ WARNING

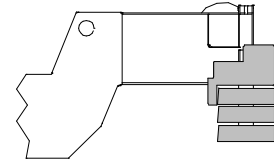
Do Not Lower 67 Ft. Offset Fly In Working Position Below 50.5 Degrees Main Boom Angle Unless Main Boom Length Is 92 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".
 (Loaded Boom Angle In Degrees.

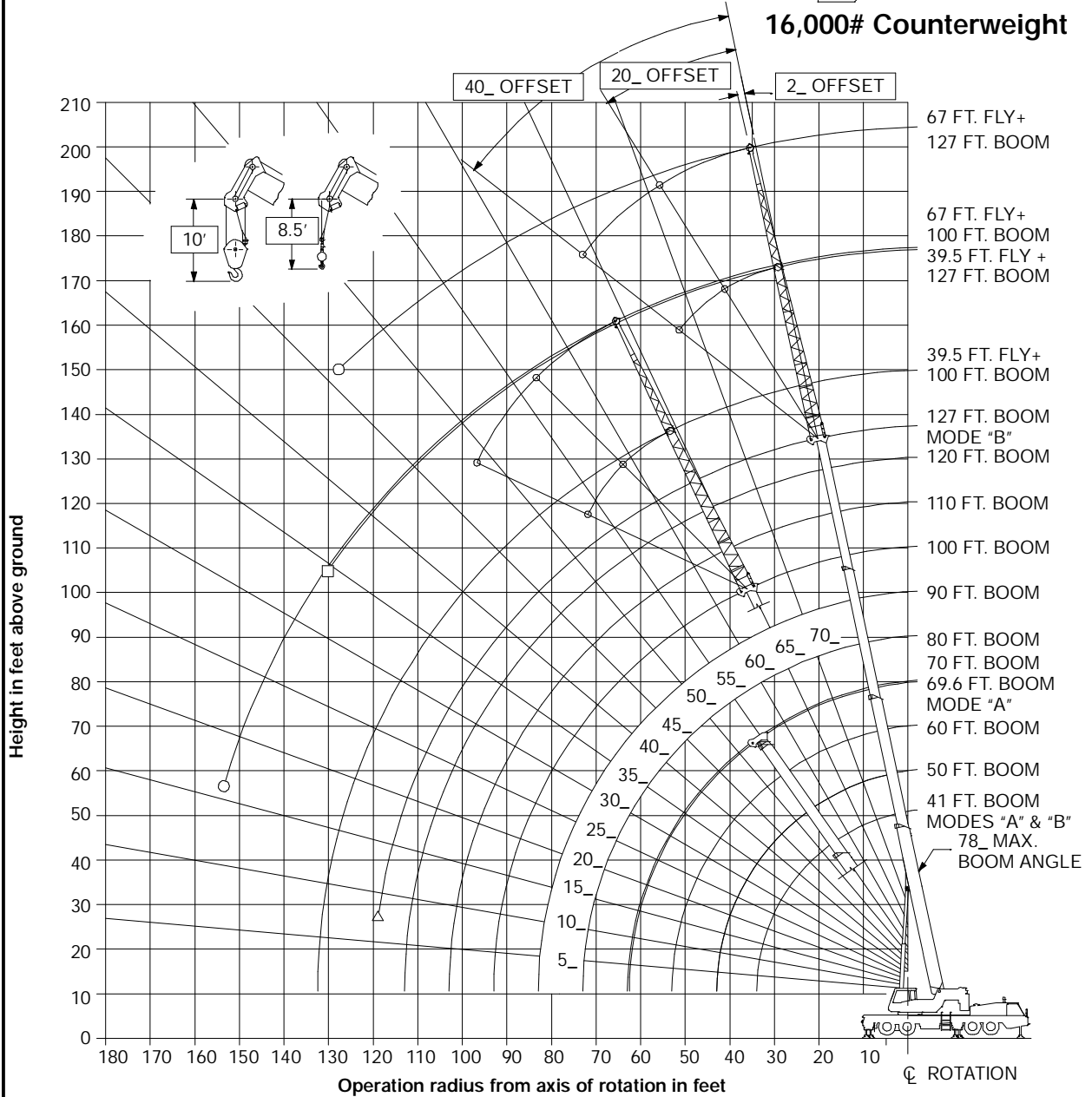
WORKING RANGE DIAGRAM



Fully Extended Outriggers



16,000# Counterweight



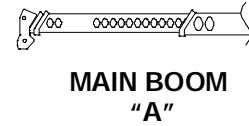
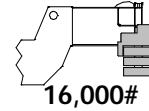
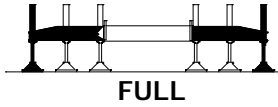
Note: Boom and fly geometry shown are for unloaded condition and crane standing level on firm supporting surface. Boom deflection, subsequent radius and boom angle change must be accounted for when applying load to hook.



WARNING

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

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



| Load Radius (Ft.) | 41 Ft. | | | 50 Ft. | | | Load Radius (Ft.) |
|-------------------|----------|---------|-----------|----------|--------|-----------|-------------------|
| | (° | 360° | Over Rear | (° | 360° | Over Rear | |
| 9 | 70.5 | 140,000 | 140,000 | | | | 9 |
| 10 | 69.0 | 128,600 | 128,600 | 73.0 | 75,100 | 75,100 | 10 |
| 12 | 66.0 | 116,000 | 116,000 | 70.5 | 75,100 | 75,100 | 12 |
| 15 | 61.0 | 99,400 | 99,400 | 67.0 | 75,100 | 75,100 | 15 |
| 20 | 52.5 | 75,300 | 75,300 | 60.5 | 74,700 | 74,700 | 20 |
| 25 | 42.5 | 58,100 | 58,100 | 53.5 | 57,600 | 57,600 | 25 |
| 30 | 29.0 | 45,300 | 45,300 | 45.5 | 44,700 | 44,700 | 30 |
| 35 | | | | 36.0 | 34,100 | 34,100 | 35 |
| 40 | | | | 23.0 | 26,800 | 26,800 | 40 |
| Min.Boom Ang/Cap. | 0 (34.0) | 21,100 | 21,100 | 0 (43.0) | 15,900 | 15,900 | Min.Boom Ang/Cap. |

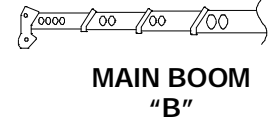
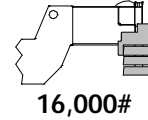
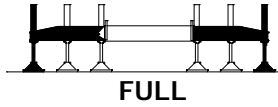
| Load Radius (Ft.) | 60 Ft. | | | 69.6 Ft. | | | Load Radius (Ft.) |
|-------------------|----------|--------|-----------|----------|--------|-----------|-------------------|
| | (° | 360° | Over Rear | (° | 360° | Over Rear | |
| 10 | 76.5 | 74,000 | 74,000 | | | | 10 |
| 12 | 74.5 | 74,000 | 74,000 | 76.5 | 43,900 | 43,900 | 12 |
| 15 | 71.5 | 74,000 | 74,000 | 74.5 | 43,900 | 43,900 | 15 |
| 20 | 66.0 | 74,000 | 74,000 | 70.0 | 43,900 | 43,900 | 20 |
| 25 | 60.5 | 57,200 | 57,200 | 65.5 | 43,900 | 43,900 | 25 |
| 30 | 55.0 | 44,100 | 44,100 | 61.0 | 37,900 | 37,900 | 30 |
| 35 | 48.5 | 33,600 | 33,600 | 56.0 | 33,200 | 33,200 | 35 |
| 40 | 41.0 | 26,500 | 26,500 | 50.5 | 26,100 | 26,100 | 40 |
| 45 | 32.5 | 21,300 | 21,300 | 44.5 | 21,000 | 21,000 | 45 |
| 50 | 21.0 | 17,300 | 17,300 | 37.5 | 17,100 | 17,100 | 50 |
| 55 | | | | 29.5 | 14,000 | 14,000 | 55 |
| 60 | | | | 18.5 | 11,500 | 11,500 | 60 |
| Min.Boom Ang/Cap. | 0 (53.0) | 10,800 | 10,800 | 0 (62.6) | 7,300 | 7,300 | Min.Boom Ang/Cap. |

Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

(° Loaded Boom Angle In Degrees.

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

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



| Load Radius (Ft.) | 41 Ft. | | | 50 Ft. | | | Load Radius (Ft.) |
|-------------------|----------|---------|-----------|----------|--------|-----------|-------------------|
| | (° | 360° | Over Rear | (° | 360° | Over Rear | |
| 9 | 70.5 | 140,000 | 140,000 | | | | 9 |
| 10 | 69.0 | 128,600 | 128,600 | 73.0 | 38,000 | 38,000 | 10 |
| 12 | 66.0 | 116,000 | 116,000 | 70.5 | 38,000 | 38,000 | 12 |
| 15 | 61.0 | 99,400 | 99,400 | 67.0 | 38,000 | 38,000 | 15 |
| 20 | 52.5 | 75,300 | 75,300 | 60.5 | 38,000 | 38,000 | 20 |
| 25 | 42.5 | 58,100 | 58,100 | 53.0 | 38,000 | 38,000 | 25 |
| 30 | 29.0 | 45,300 | 45,300 | 45.5 | 38,000 | 38,000 | 30 |
| 35 | | | | 36.0 | 35,600 | 35,600 | 35 |
| 40 | | | | 23.0 | 28,200 | 28,200 | 40 |
| Min.Bm. Ang/Cap. | 0 (34.0) | 21,100 | 21,100 | 0 (43.0) | 14,900 | 14,900 | Min.Bm. Ang/Cap. |

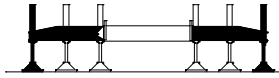
| Load Radius (Ft.) | 60 Ft. | | | 70 Ft. | | | Load Radius (Ft.) |
|-------------------|----------|--------|-----------|----------|--------|-----------|-------------------|
| | (° | 360° | Over Rear | (° | 360° | Over Rear | |
| 10 | 76.0 | 38,000 | 38,000 | | | | 10 |
| 12 | 74.0 | 38,000 | 38,000 | 76.5 | 38,000 | 38,000 | 12 |
| 15 | 71.0 | 38,000 | 38,000 | 74.5 | 38,000 | 38,000 | 15 |
| 20 | 66.0 | 38,000 | 38,000 | 70.0 | 38,000 | 38,000 | 20 |
| 25 | 60.5 | 38,000 | 38,000 | 65.5 | 38,000 | 38,000 | 25 |
| 30 | 54.5 | 38,000 | 38,000 | 61.0 | 38,000 | 38,000 | 30 |
| 35 | 48.0 | 36,100 | 36,100 | 55.5 | 36,400 | 36,400 | 35 |
| 40 | 41.0 | 28,900 | 28,900 | 50.5 | 29,200 | 29,200 | 40 |
| 45 | 32.5 | 23,600 | 23,600 | 44.5 | 24,000 | 24,000 | 45 |
| 50 | 21.0 | 19,500 | 19,500 | 38.0 | 20,000 | 20,000 | 50 |
| 55 | | | | 30.0 | 16,800 | 16,800 | 55 |
| 60 | | | | 19.5 | 14,200 | 14,200 | 60 |
| Min.Bm. Ang/Cap. | 0 (53.0) | 10,500 | 10,500 | 0 (63.0) | 7,600 | 7,600 | Min.Bm. Ang/Cap. |

Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

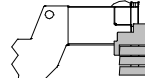
(° Loaded Boom Angle In Degrees.

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

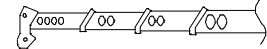
**Rated Lifting Capacities In Pounds
On Fully Extended Outriggers
See Set Up Note 2.**



FULL



16,000#



**MAIN BOOM
"B"**

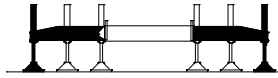
| Load Radius (Ft.) | 80 Ft. | | | 90 Ft. | | | 100 Ft. | | | Load Radius (Ft.) |
|-------------------|----------|--------|-----------|----------|--------|-----------|----------|--------|-----------|-------------------|
| | (°) | 360° | Over Rear | (°) | 360° | Over Rear | (°) | 360° | Over Rear | |
| 15 | 76.5 | 38,000 | 38,000 | | | | | | | 15 |
| 20 | 73.0 | 38,000 | 38,000 | 75.0 | 38,000 | 38,000 | 77.0 | 37,400 | 37,400 | 20 |
| 25 | 69.5 | 38,000 | 38,000 | 72.0 | 38,000 | 38,000 | 74.0 | 32,700 | 32,700 | 25 |
| 30 | 65.5 | 38,000 | 38,000 | 68.5 | 37,900 | 37,900 | 71.0 | 29,000 | 29,000 | 30 |
| 35 | 61.0 | 36,600 | 36,600 | 65.0 | 33,900 | 33,900 | 68.0 | 26,000 | 26,000 | 35 |
| 40 | 56.5 | 29,400 | 29,400 | 61.5 | 29,500 | 29,500 | 65.0 | 23,400 | 23,400 | 40 |
| 45 | 52.0 | 24,200 | 24,200 | 57.5 | 24,300 | 24,300 | 61.5 | 21,200 | 21,200 | 45 |
| 50 | 47.0 | 20,200 | 20,200 | 53.5 | 20,400 | 20,400 | 58.0 | 19,300 | 19,300 | 50 |
| 55 | 41.5 | 17,100 | 17,100 | 49.0 | 17,200 | 17,200 | 54.5 | 17,300 | 17,300 | 55 |
| 60 | 35.5 | 14,500 | 14,500 | 44.5 | 14,700 | 14,700 | 50.5 | 14,800 | 14,800 | 60 |
| 65 | 28.0 | 12,500 | 12,500 | 39.5 | 12,700 | 12,700 | 46.5 | 12,800 | 12,800 | 65 |
| 70 | 18.0 | 10,700 | 10,700 | 33.5 | 11,000 | 11,000 | 42.5 | 11,100 | 11,100 | 70 |
| 75 | | | | 27.0 | 9,500 | 9,500 | 37.5 | 9,600 | 9,600 | 75 |
| 80 | | | | 17.5 | 8,200 | 8,200 | 32.0 | 8,400 | 8,400 | 80 |
| 85 | | | | | | | 25.5 | 7,200 | 7,200 | 85 |
| 90 | | | | | | | 16.5 | 6,200 | 6,300 | 90 |
| Min.Bm. Ang/ Cap. | 0 (73.0) | 5,500 | 5,500 | 0 (83.0) | 3,900 | 3,900 | 0 (93.0) | 2,700 | 2,700 | Min.Bm. Ang/ Cap. |

Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

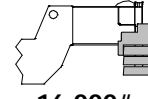
(°) Loaded Boom Angle In Degrees.

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

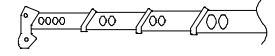
**Rated Lifting Capacities In Pounds
On Fully Extended Outriggers
See Set Up Note 2.**



FULL



16,000#



**MAIN BOOM
"B"**

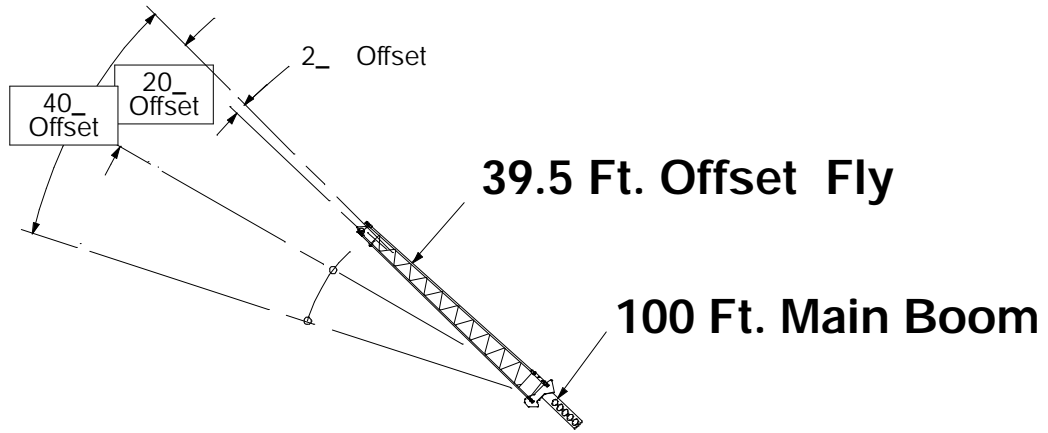
| Load Radius (Ft.) | 110 Ft. | | | 120 Ft. | | | 127 Ft. | | | Load Radius (Ft.) |
|-------------------|-----------|--------|-----------|-----------|--------|-----------|-------------|--------|-----------|-------------------|
| | (° | 360° | Over Rear | (° | 360° | Over Rear | (° | 360° | Over Rear | |
| 25 | 76.0 | 29,400 | 29,400 | 77.5 | 23,300 | 23,300 | 78.0* | 19,600 | 19,600 | 25 |
| 30 | 73.5 | 26,200 | 26,200 | 75.0 | 23,300 | 23,300 | 76.0 | 19,600 | 19,600 | 30 |
| 35 | 70.5 | 23,500 | 23,500 | 72.5 | 21,500 | 21,500 | 74.0 | 19,600 | 19,600 | 35 |
| 40 | 68.0 | 21,200 | 21,200 | 70.0 | 19,400 | 19,400 | 71.5 | 18,400 | 18,400 | 40 |
| 45 | 65.0 | 19,200 | 19,200 | 67.5 | 17,600 | 17,600 | 69.0 | 16,400 | 16,400 | 45 |
| 50 | 62.0 | 17,400 | 17,400 | 65.0 | 15,800 | 15,800 | 66.5 | 14,900 | 14,900 | 50 |
| 55 | 59.0 | 15,800 | 15,800 | 62.0 | 14,400 | 14,400 | 64.0 | 13,600 | 13,600 | 55 |
| 60 | 55.5 | 14,500 | 14,500 | 59.5 | 13,200 | 13,200 | 61.5 | 12,500 | 12,500 | 60 |
| 65 | 52.0 | 12,800 | 12,800 | 56.5 | 12,200 | 12,200 | 59.0 | 11,500 | 11,500 | 65 |
| 70 | 48.5 | 11,200 | 11,200 | 53.5 | 11,200 | 11,200 | 56.0 | 10,600 | 10,600 | 70 |
| 75 | 44.5 | 9,800 | 9,800 | 50.0 | 9,800 | 9,800 | 53.5 | 9,700 | 9,700 | 75 |
| 80 | 40.5 | 8,500 | 8,500 | 46.5 | 8,600 | 8,600 | 50.0 | 8,600 | 8,600 | 80 |
| 85 | 36.0 | 7,300 | 7,400 | 43.0 | 7,400 | 7,500 | 47.0 | 7,500 | 7,500 | 85 |
| 90 | 31.0 | 6,400 | 6,400 | 39.0 | 6,400 | 6,500 | 43.5 | 6,500 | 6,600 | 90 |
| 95 | 24.5 | 5,500 | 5,500 | 34.5 | 5,600 | 5,600 | 39.5 | 5,600 | 5,700 | 95 |
| 100 | 16.0 | 4,700 | 4,800 | 30.0 | 4,800 | 4,900 | 35.5 | 4,800 | 4,900 | 100 |
| 105 | | | | 24.0 | 4,100 | 4,200 | 31.0 | 4,100 | 4,200 | 105 |
| 110 | | | | 15.5 | 3,500 | 3,600 | 26.0 | 3,500 | 3,600 | 110 |
| 115 | | | | | | | 19.0 | 2,900 | 3,100 | 115 |
| Min.Bm. Ang/ Cap. | 0 (103.0) | 1,700 | 1,700 | 0 (113.0) | 900 | 900 | 7.5 (119.6) | | | Min.Bm. Ang/ Cap. |

Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

(° Loaded Boom Angle In Degrees.

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

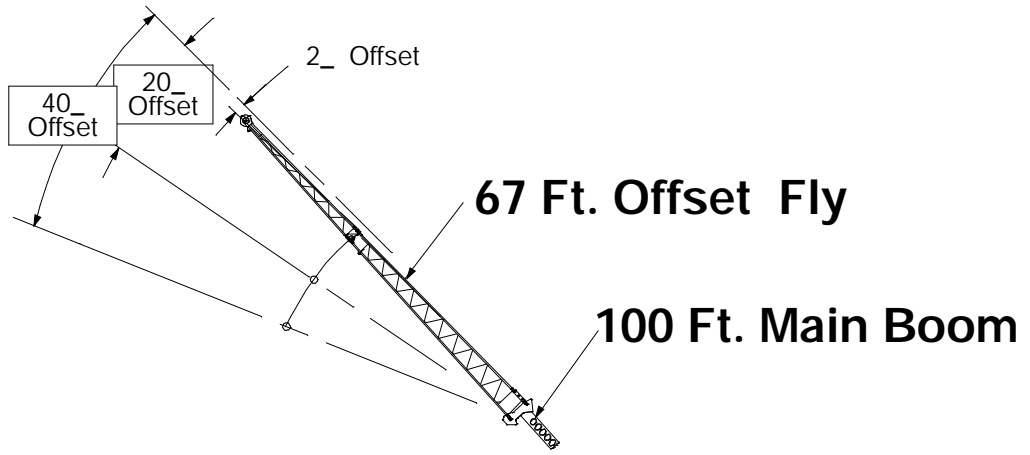
* This capacity based on maximum obtainable boom angle.



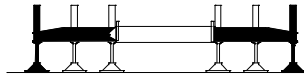
| Load Radius (Ft.) | | 2_ Offset | | 20_ Offset | | 40_ Offset | | Load Radius (Ft.) |
|-------------------|------|-----------|------|------------|------|------------|------|-------------------|
| | | (°) | 360_ | (°) | 360_ | (°) | 360_ | |
| 30 | 77.0 | 13,900 | | | | | | 30 |
| 35 | 75.0 | 13,400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

Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

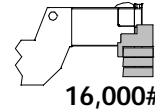
(°) Loaded Boom Angle In Degrees.



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



FULL



16,000#

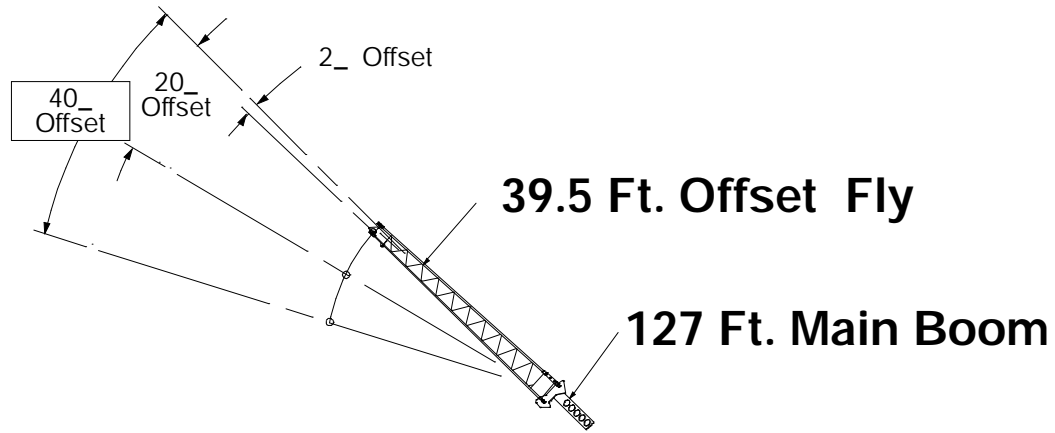
| Load Radius (Ft.) | 2_ Offset | | 20_ Offset | | 40_ Offset | | Load Radius (Ft.) |
|-------------------|-----------|-------|------------|-------|------------|-------|-------------------|
| | (° | 360_ | (° | 360_ | (° | 360_ | |
| 40 | 77.0 | 8,300 | | | | | 40 |
| 45 | 75.5 | 7,900 | | | | | 45 |
| 50 | 73.5 | 7,500 | | | | | 50 |
| 55 | 72.0 | 7,100 | | | | | 55 |
| 60 | 70.0 | 6,600 | 77.0 | 4,700 | | | 60 |
| 65 | 68.5 | 6,200 | 75.5 | 4,500 | | | 65 |
| 70 | 66.5 | 5,800 | 73.5 | 4,200 | | | 70 |
| 75 | 64.5 | 5,500 | 71.5 | 4,000 | | | 75 |
| 80 | 62.5 | 5,200 | 69.5 | 3,900 | 76.0 | 3,000 | 80 |
| 85 | 60.5 | 4,900 | 67.5 | 3,700 | 74.0 | 3,000 | 85 |
| 90 | 58.5 | 4,600 | 65.5 | 3,500 | 72.0 | 2,900 | 90 |
| 95 | 56.5 | 4,400 | 63.5 | 3,400 | 69.5 | 2,800 | 95 |
| 100 | 54.5 | 4,200 | 61.5 | 3,300 | 67.5 | 2,700 | 100 |
| 105 | 52.0 | 3,900 | 59.0 | 3,200 | 65.0 | 2,700 | 105 |
| 110 | 50.0 | 3,800 | 57.0 | 3,100 | 62.5 | 2,600 | 110 |
| 115 | 47.5 | 3,600 | 54.5 | 3,000 | 60.0 | 2,600 | 115 |
| 120 | 45.0 | 3,400 | 52.0 | 2,900 | 57.0 | 2,500 | 120 |
| 125 | 42.5 | 3,300 | 49.0 | 2,800 | 54.0 | 2,500 | 125 |
| 130 | 39.5 | 3,100 | 46.5 | 2,700 | 50.5 | 2,500 | 130 |
| 135 | 36.5 | 3,000 | 43.0 | 2,600 | 47.0 | 2,500 | 135 |
| 140 | 33.0 | 2,800 | 39.5 | 2,600 | 42.5 | 2,500 | 140 |
| 145 | 29.0 | 2,400 | 35.5 | 2,600 | | | 145 |
| 150 | 24.5 | 2,100 | 31.0 | 2,400 | | | 150 |
| 155 | 19.0 | 1,800 | 24.0 | 2,000 | | | 155 |

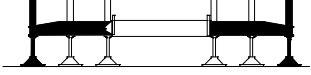
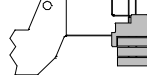
⚠ WARNING

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

Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

(° Loaded Boom Angle In Degrees.



| Rated Lifting Capacities In Pounds On Fully Extended Outriggers See Set Up Note 2. | |  FULL | |  16,000# | | | |
|--|-----------|--|------------|---|------------|-------|-------------------|
| Load Radius (Ft.) | 2_ Offset | | 20_ Offset | | 40_ Offset | | Load Radius (Ft.) |
| | (°) | 360_ | (°) | 360_ | (°) | 360_ | |
| 35 | 78.0* | 8,300 | | | | | 35 |
| 40 | 76.5 | 8,300 | | | | | 40 |
| 45 | 75.0 | 8,300 | | | | | 45 |
| 50 | 73.5 | 8,300 | 78.0* | 8,200 | | | 50 |
| 55 | 71.5 | 8,300 | 76.0 | 8,000 | | | 55 |
| 60 | 70.0 | 8,300 | 74.5 | 7,800 | | | 60 |
| 65 | 68.5 | 8,300 | 72.5 | 7,600 | 76.0 | 6,200 | 65 |
| 70 | 67.0 | 8,300 | 71.0 | 7,400 | 74.5 | 6,100 | 70 |
| 75 | 65.0 | 7,800 | 69.0 | 7,200 | 72.5 | 6,000 | 75 |
| 80 | 63.0 | 7,100 | 67.0 | 7,000 | 70.5 | 5,800 | 80 |
| 85 | 60.5 | 6,600 | 65.5 | 6,800 | 68.5 | 5,700 | 85 |
| 90 | 58.5 | 6,000 | 63.0 | 6,300 | 66.5 | 5,700 | 90 |
| 95 | 56.5 | 5,600 | 61.0 | 5,800 | 64.0 | 5,600 | 95 |
| 100 | 54.5 | 5,100 | 58.5 | 5,300 | 62.0 | 5,500 | 100 |
| 105 | 52.0 | 4,700 | 56.5 | 4,900 | 59.5 | 5,100 | 105 |
| 110 | 49.5 | 4,300 | 54.0 | 4,500 | 57.0 | 4,700 | 110 |
| 115 | 47.0 | 3,900 | 51.5 | 4,200 | 54.0 | 4,300 | 115 |
| 120 | 44.5 | 3,400 | 48.5 | 3,800 | 51.5 | 4,000 | 120 |
| 125 | 41.5 | 2,900 | 45.5 | 3,300 | 48.0 | 3,600 | 125 |
| 130 | 38.5 | 2,500 | 42.5 | 2,900 | 44.5 | 3,100 | 130 |
| 135 | | | 39.0 | 2,400 | 41.0 | 2,600 | 135 |
| 140 | | | 35.5 | 2,000 | | | 140 |

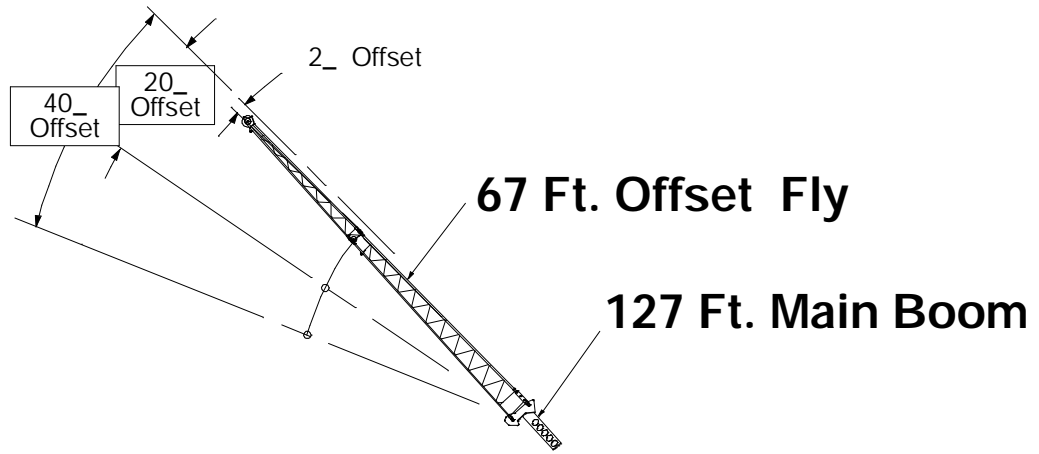
⚠ WARNING

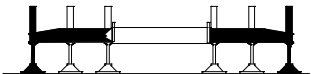
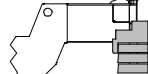
Do Not Lower 39.5 Ft. Offset Fly In Working Position Below 34.5 Degrees Main Boom Angle Unless Main Boom Length Is 108 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

(Loaded Boom Angle In Degrees.

* This capacity based on maximum obtainable boom angle.



| Rated Lifting Capacities In Pounds On Fully Extended Outriggers See Set Up Note 2. | |  | |  | | | |
|--|-----------|---|------------|---|------------|-------|-------------------|
| | | FULL | | 16,000# | | | |
| Load Radius (Ft.) | 2_ Offset | | 20_ Offset | | 40_ Offset | | Load Radius (Ft.) |
| | (° | 360_ | (° | 360_ | (° | 360_ | |
| 50 | 76.5 | 5,500 | | | | | 50 |
| 55 | 75.5 | 5,500 | | | | | 55 |
| 60 | 74.0 | 5,500 | | | | | 60 |
| 65 | 73.0 | 5,500 | | | | | 65 |
| 70 | 71.5 | 5,500 | 77.5 | 4,200 | | | 70 |
| 75 | 70.0 | 5,300 | 76.0 | 4,000 | | | 75 |
| 80 | 68.5 | 5,100 | 74.5 | 3,900 | | | 80 |
| 85 | 67.0 | 4,900 | 73.0 | 3,800 | | | 85 |
| 90 | 65.5 | 4,800 | 71.5 | 3,600 | 77.0 | 2,900 | 90 |
| 95 | 64.0 | 4,600 | 70.0 | 3,500 | 75.0 | 2,800 | 95 |
| 100 | 62.0 | 4,300 | 68.0 | 3,400 | 73.5 | 2,800 | 100 |
| 105 | 60.5 | 3,900 | 66.5 | 3,300 | 71.5 | 2,700 | 105 |
| 110 | 58.5 | 3,600 | 64.5 | 3,200 | 70.0 | 2,600 | 110 |
| 115 | 56.5 | 3,200 | 63.0 | 3,100 | 68.0 | 2,600 | 115 |
| 120 | 54.5 | 2,900 | 61.0 | 3,000 | 66.0 | 2,600 | 120 |
| 125 | 52.5 | 2,700 | 59.0 | 2,900 | 64.0 | 2,500 | 125 |
| 130 | 50.5 | 2,400 | 57.0 | 2,600 | 61.5 | 2,500 | 130 |
| 135 | 48.5 | 2,200 | 54.5 | 2,300 | 59.5 | 2,500 | 135 |
| 140 | | | 52.5 | 2,100 | 57.0 | 2,300 | 140 |
| 145 | | | 50.0 | 1,900 | 54.5 | 2,000 | 145 |
| 150 | | | 47.5 | 1,700 | 51.5 | 1,800 | 150 |
| 155 | | | | | 48.5 | 1,600 | 155 |

⚠ WARNING

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

Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

(Loaded Boom Angle In Degrees.