



# Link-Belt®

## CONSTRUCTION EQUIPMENT

### HTC – 8650 *Series II*

CRANE RATING MANUAL  
4 – SECTION POWER BOOM

SERIAL NUMBER \_\_\_\_\_

For Replacement, Order Part Number: L8P0001  
(022603)

® Link-Belt is a registered trademark.

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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 making lifts on tires, they must be inflated to the recommended pressure. (See Operation note 21 and Tire Inflation.)
4. 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 35° boom angle maintained.
5. For required parts of line, see Wire Rope Capacity and Winch Performance.
6. Before setting up the crane, refer to Allowable Crane Configuration and rated lifting capacities to determine allowable crane configurations.

**OPERATION:**

1. Rated lifting capacities at rated radii shall not be exceeded. Do not tip the crane to determine allowable loads.
2. Rated lifting capacities shall be reduced for repetitive lift applications. For concrete bucket operation, weight of bucket and load shall not exceed 80% of rated load. For duty cycle operation, such as loading and unloading, maximum allowable load shall not exceed 70% of rated load. For clamshell and magnet operation, weight of bucket, or magnet, and load shall not exceed 70% of rated load. Lifts with fly erected are prohibited for clamshell and magnet operation.
3. 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.
4. 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.
5. 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.
6. 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.
7. Rated lifting capacities are for lift crane service only.
8. 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.

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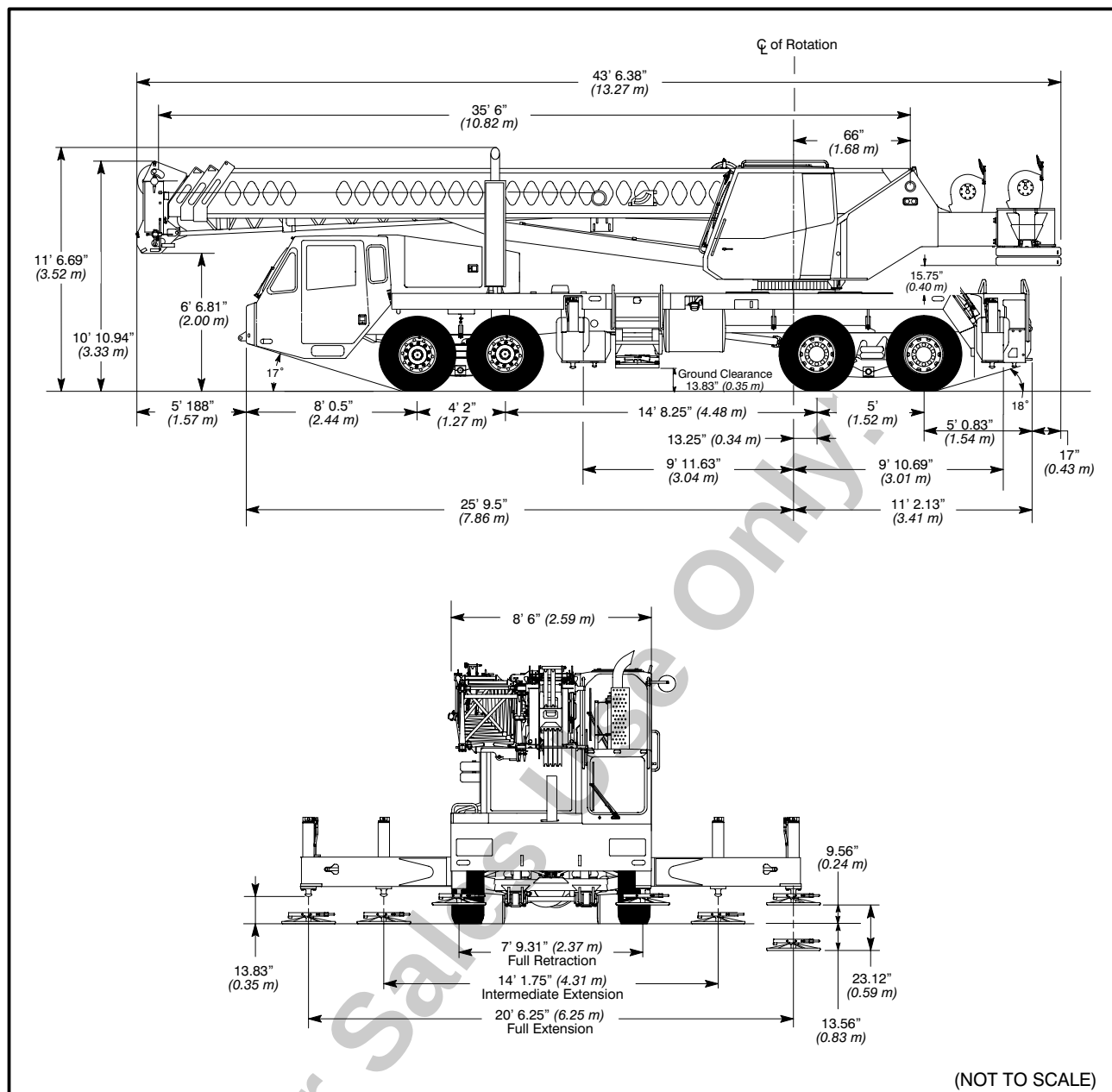
9. The maximum loads which can be telescoped are not definable because of variation in loadings and crane maintenance, but it is permissible to attempt retraction and extension within the limits of the applicable load rating chart.
10. For main boom capacities when either boom length or radius or both 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.
11. 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.
12. For cold weather operation rated capacities should be reduced by the following rule: a 1% reduction in rated capacity should be taken for each 1°F below 0°F. Example: if the temperature is -10°F a 10% reduction in rated capacities should be taken, at -40°F a 40% reduction.
13. When making lifts with auxiliary head machinery, the effective length of the boom increases by 2 ft.
14. 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.
15. The least stable rated working area depends on the configuration of the crane set up.
16. 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.
17. 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.
18. For fly capacities with main boom length less than 110 ft. and greater than 90 ft., the rated capacities are determined by the boom angle using the 110 ft. boom and fly chart. For angles not shown use the next lower boom angle to determine the rated capacity.
19. For fly capacities with main boom length less than 90 ft., the rated capacities are determined by the boom angle only using the 90 ft. boom and fly chart. For angles not shown, use the next lower boom angle to determine the rated capacity.
20. The 35.5 ft. boom length structural lifting capacities are based on boom fully retracted. If the boom is not fully retracted, do not exceed capacities shown for the 40 ft. boom length.
21. 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 1 mph speed. For correct tire pressure, see Tire Inflation.

#### DEFINITIONS:

1. Loaded Boom Angle In Degrees:  $\angle^\circ$  The angle between the boom base section and horizontal with freely suspended load at the rated radius.
2. 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.
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.

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## GENERAL DIMENSIONS



## TIRE INFLATION

| Tire Size | Operation  | Tire Pressure (psi) |
|-----------|------------|---------------------|
| 11 R 22.5 | Stationary | 120                 |
|           | 1 mph      | 120                 |

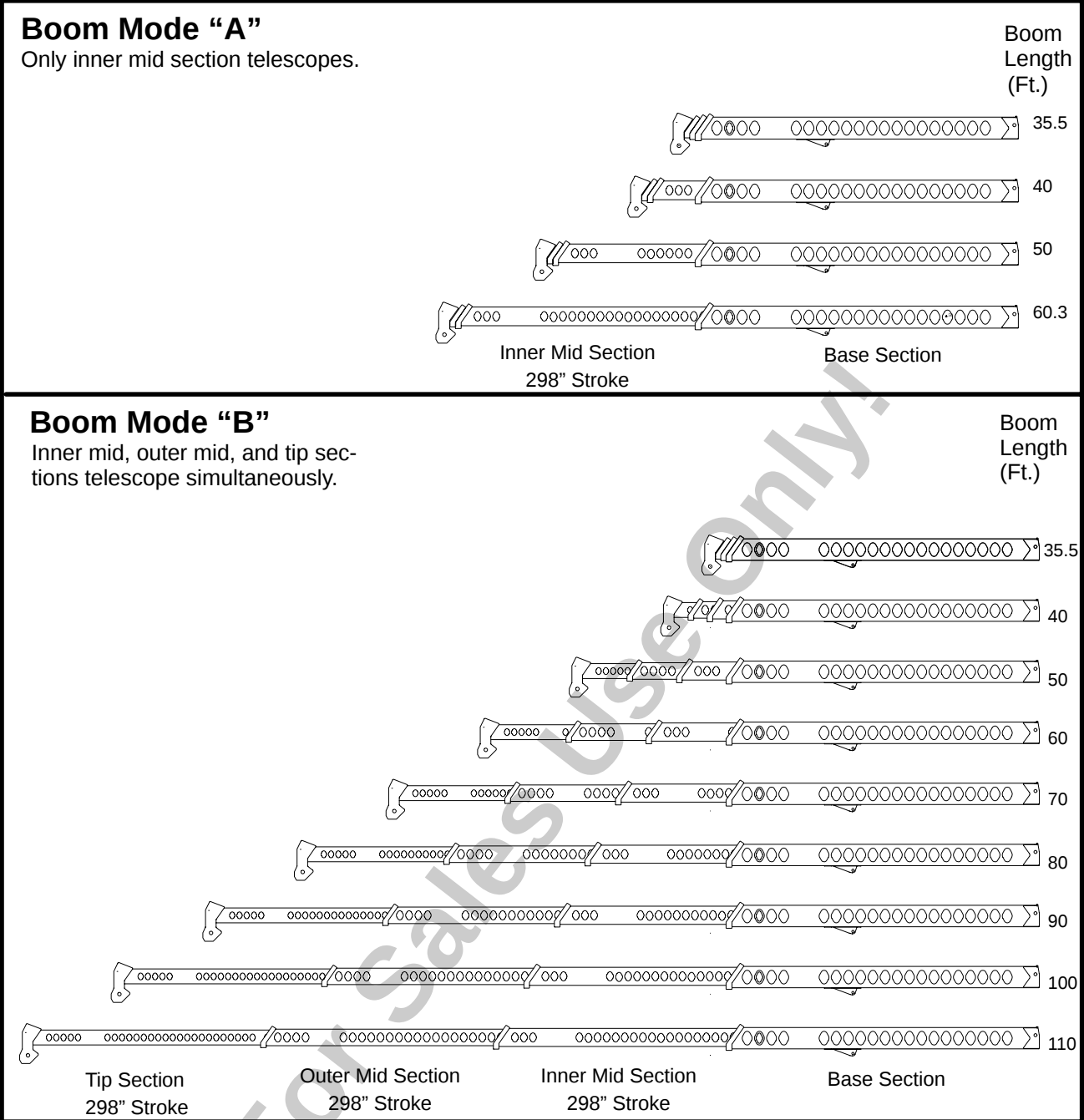
## PONTOON LOADINGS

|                              |                                                 |
|------------------------------|-------------------------------------------------|
| <b>Maximum Pontoon Load:</b> | <b>Maximum Pontoon Ground Bearing Pressure:</b> |
| 76,000 lb                    | 170 psi                                         |

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## BOOM MODES



## WIND SPEED RESTRICTIONS

| If The Wind Speed Is:                                                                                                                                                                                                                                                                                                                                       | Rated Lifted Capacities Must Be Reduced By At Least:                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| 20–29 MPH                                                                                                                                                                                                                                                                                                                                                   | 40%                                                                                |
| 30–39 MPH                                                                                                                                                                                                                                                                                                                                                   | 70%                                                                                |
| 40 MPH or Greater                                                                                                                                                                                                                                                                                                                                           | Crane operation must be shutdown and the boom retracted and lowered to horizontal. |
| <ul style="list-style-type: none"> <li>Additional reductions are required for loads with large wind sail area.</li> <li>These restrictions are based on crane on fully extended outriggers.</li> <li>During high winds, the operator shall add 10° to all minimum boom angles due to no load stability and shall not boom down below that angle.</li> </ul> |                                                                                    |

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## WINCH PERFORMANCE

| Winch Line Pulls                                                       |                 |              | Drum Rope Capacity (Ft.) |       |
|------------------------------------------------------------------------|-----------------|--------------|--------------------------|-------|
|                                                                        | Two Speed Winch |              |                          |       |
| Wire Rope Layer                                                        | Low Speed       | High Speed   | Layer                    | Total |
|                                                                        | Available Lb*   | Available Lb |                          |       |
| 1                                                                      | 15,519          | 7,185        | 97                       | 97    |
| 2                                                                      | 14,037          | 6,499        | 107                      | 204   |
| 3                                                                      | 12,814          | 5,932        | 118                      | 322   |
| 4                                                                      | 11,787          | 5,457        | 128                      | 450   |
| 5                                                                      | 10,912          | 5,052        | 138                      | 588   |
| *Maximum lifting capacity: Type DB Rope = 11,770, Type RB Rope = 9,080 |                 |              |                          |       |

\*Maximum lifting capacity: Type DB Rope = 11,770, Type RB Rope = 9,080

## WIRE ROPE CAPACITY

| Maximum Lifting Capacities Based On Wire Rope Strength |                                                                                                                 |         |                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Parts of Line                                          | 5/8"                                                                                                            | 5/8"    | Notes                                                                                                                                                                                                                                                                                                                                          |
|                                                        | Type DB                                                                                                         | Type RB |                                                                                                                                                                                                                                                                                                                                                |
| 1                                                      | 11,770                                                                                                          | 9,080   | Capacities shown are in pounds and working loads must not exceed the ratings on the capacity charts in the Crane Rating Manual.<br><br>Capacity deducts for auxiliary lifting devices do not apply for wire rope strength capacities.<br><br>Study Operator's Manual for wire rope inspection procedures and single part of line applications. |
| 2                                                      | 23,540                                                                                                          | 18,160  |                                                                                                                                                                                                                                                                                                                                                |
| 3                                                      | 35,310                                                                                                          | 27,240  |                                                                                                                                                                                                                                                                                                                                                |
| 4                                                      | 47,080                                                                                                          | 36,320  |                                                                                                                                                                                                                                                                                                                                                |
| 5                                                      | 58,850                                                                                                          | 45,400  |                                                                                                                                                                                                                                                                                                                                                |
| 6                                                      | 70,620                                                                                                          | 54,480  |                                                                                                                                                                                                                                                                                                                                                |
| 7                                                      | 82,390                                                                                                          | 63,560  |                                                                                                                                                                                                                                                                                                                                                |
| 8                                                      | 94,160                                                                                                          | 72,640  |                                                                                                                                                                                                                                                                                                                                                |
| 9                                                      | 105,930                                                                                                         | 81,720  |                                                                                                                                                                                                                                                                                                                                                |
| LBCE                                                   | DESCRIPTION                                                                                                     |         |                                                                                                                                                                                                                                                                                                                                                |
| TYPE DB                                                | 6 X 26 (6 X 19 Class) – Warrington Seale – Extra Improved Plow Steel – Preformed – Right Regular Lay – I.W.R.C. |         |                                                                                                                                                                                                                                                                                                                                                |
| TYPE RB                                                | 18 X 19 Rotation Resistant – Compact Strand, High Strength Preformed, Right Regular Lay                         |         |                                                                                                                                                                                                                                                                                                                                                |

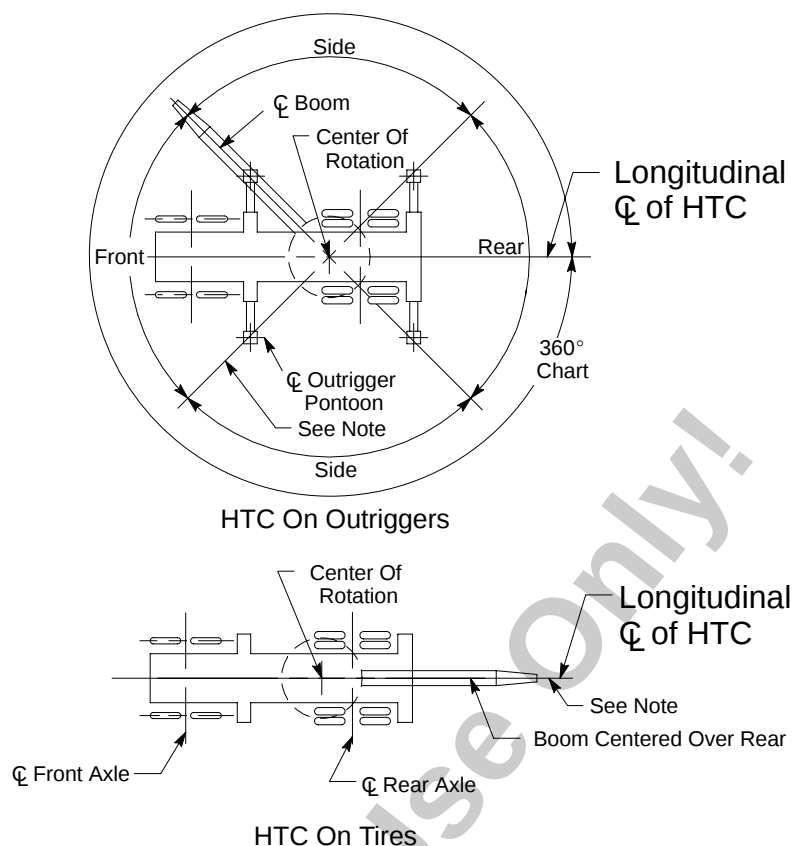
## HYDRAULIC CIRCUIT PRESSURE SETTINGS

| Function             | Pressure (psi) |
|----------------------|----------------|
| Front And Rear Winch | 3,400          |
| Outriggers           | 3,000          |
| Boom Hoist           | 3,500          |
| Telescope            | 3,000          |
| Swing                | 2,000          |
| Steering             | 2,000          |
| Bumper Outtrigger    | 650            |
| Pilot Control        | 500            |

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## WORKING AREAS



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

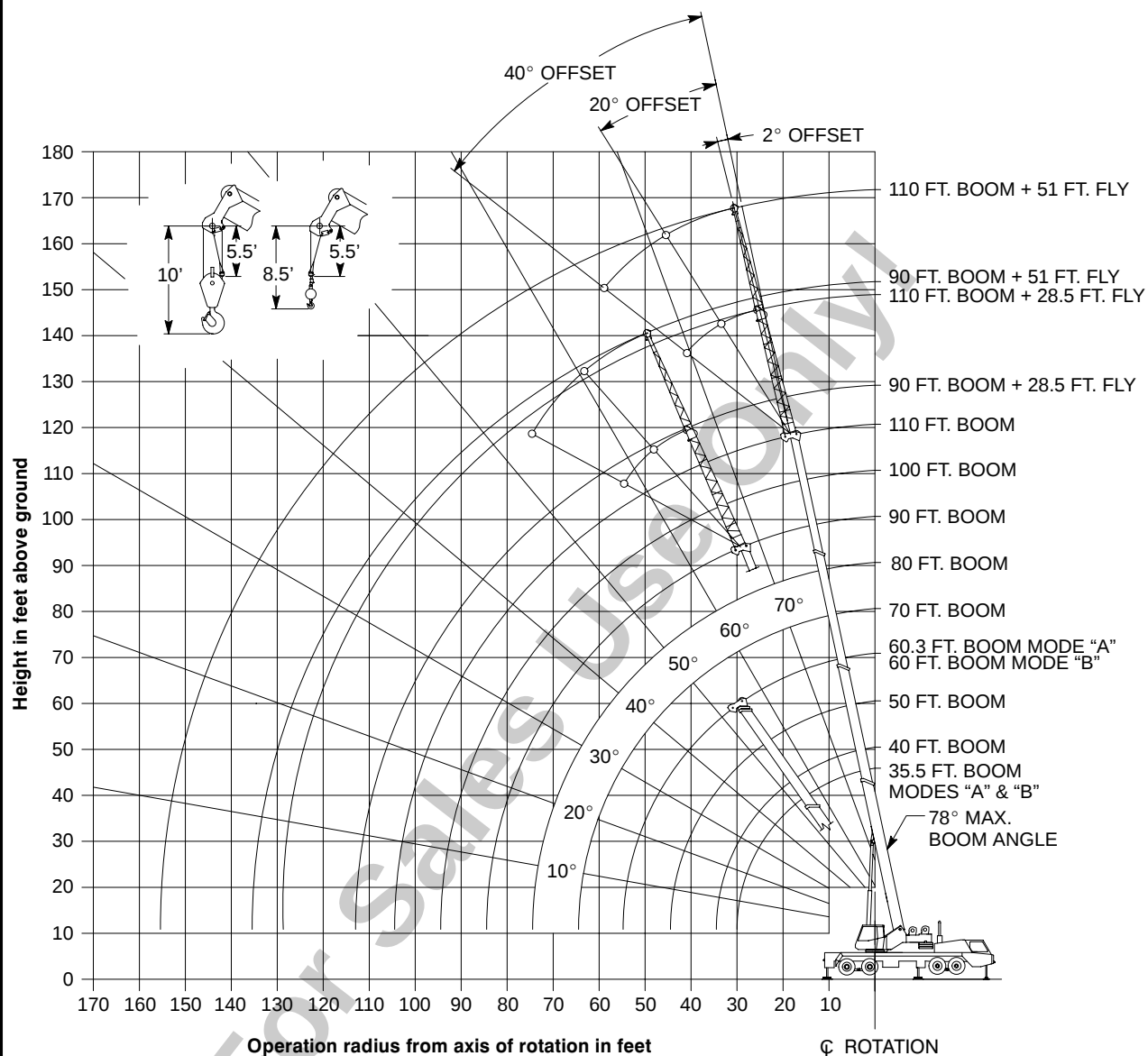
## CAPACITY DEDUCTIONS

| Load Handling Equipment                                                     | Weight (lb)       |
|-----------------------------------------------------------------------------|-------------------|
| 40 Ton Quick Reeve 4 Sheave Hook Block (See Hook Block For Actual Weight)   | 780               |
| 50 Ton Quick Reeve 5 Sheave Hook Block (See Hook Block For Actual Weight)   | 1,090             |
| 8.5 Ton Hook Ball (See Hook Ball For Actual Weight)                         | 360               |
| Auxiliary Lifting Devices                                                   | Weight (lb)       |
| Auxiliary Head Attached                                                     | 100               |
| <b>Lifting From Main Boom With:</b>                                         |                   |
| 28.5 Ft. Or 51 Ft. Fly Stowed On Boom Base (See Operation Note 5)           | 0                 |
| 28.5 Ft. Offset Fly Erected But Not Used                                    | 3,900             |
| 51 Ft. Offset Fly Erected But Not Used                                      | 7,800             |
| <b>Lifting From 28.5 Ft. Offset Fly With:</b>                               |                   |
| 22.5 Ft. Fly Tip Erected But Not Used                                       | <b>Prohibited</b> |
| 22.5 Ft. Fly Tip Stowed On 28.5 Ft. Offset Fly                              | <b>Prohibited</b> |
| <b>Note:</b> Capacity deductions are for Link-Belt supplied equipment only. |                   |

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## WORKING RANGE DIAGRAM



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.



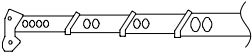
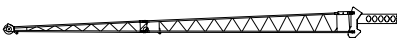
### WARNING

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.

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## ALLOWABLE CRANE CONFIGURATION

|                     |         |  |            |  |            |
|---------------------|---------|-----------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------|------------|
|                     |         | Mode "A"                                                                          | Mode "B"   | 28.5'                                                                               | 51'        |
| <b>ON TIRES</b>     | 4,300#  | 35.5'–60.3'                                                                       | 35.5'–80'  | —                                                                                   | —          |
|                     | 7,900#  |                                                                                   |            | —                                                                                   | —          |
|                     | 11,500# |                                                                                   |            | —                                                                                   | —          |
|                     | 15,100# |                                                                                   |            | —                                                                                   | —          |
| <b>RETRACTED</b>    | 4,300#  | —                                                                                 | —          | —                                                                                   | —          |
|                     | 7,900#  | 35.5'–60.3'                                                                       | 35.5'–70'  | —                                                                                   | —          |
|                     | 11,500# |                                                                                   | 35.5'–80'  | —                                                                                   | —          |
|                     | 15,100# |                                                                                   | 35.5'–90'  | —                                                                                   | —          |
| <b>INTERMEDIATE</b> | 4,300#  | 35.5'–60.3'                                                                       | 35.5'–100' | —                                                                                   | —          |
|                     | 7,900#  |                                                                                   | 35.5'–110' | —                                                                                   | —          |
|                     | 11,500# |                                                                                   | 35.5'–110' | —                                                                                   | —          |
|                     | 15,100# |                                                                                   | 35.5'–110' | 35.5'–110'                                                                          | —          |
| <b>FULL</b>         | 4,300#  | 35.5'–60.3'                                                                       | 35.5'–110' | 35.5'–110'                                                                          | 35.5'–110' |
|                     | 7,900#  |                                                                                   |            |                                                                                     |            |
|                     | 11,500# |                                                                                   |            |                                                                                     |            |
|                     | 15,100# |                                                                                   |            |                                                                                     |            |

### Patents

This crane is covered by one or more of the following patents:

United States:

4 478 014

4 574 904

4 728 029

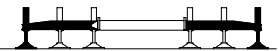
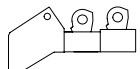
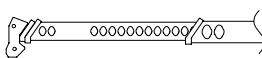
Canada

Patented Brevete:

1 212 336

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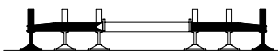
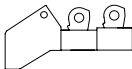
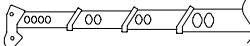
| Rated Lifting Capacities<br>In Pounds |                |         |              | <br><b>FULL OUTRIGGERS</b> |        | <br><b>4,300 # CTWT</b> | <br><b>MAIN BOOM<br/>"A"</b> |
|---------------------------------------|----------------|---------|--------------|-------------------------------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Load<br>Radius<br>(Ft.)               | 35.5 Ft.       |         |              | 40 Ft.                                                                                                      |        |                                                                                                            | Load<br>Radius<br>(Ft.)                                                                                         |
|                                       | $\angle^\circ$ | 360°    | Over<br>Rear | $\angle^\circ$                                                                                              | 360°   | Over<br>Rear                                                                                               |                                                                                                                 |
| 10                                    | 68.0           | 100,000 | 100,000      | 70.5                                                                                                        | 80,900 | 80,900                                                                                                     | 10                                                                                                              |
| 12                                    | 64.5           | 76,000  | 76,000       | 67.5                                                                                                        | 73,200 | 73,200                                                                                                     | 12                                                                                                              |
| 15                                    | 58.5           | 65,800  | 65,800       | 62.5                                                                                                        | 63,600 | 63,600                                                                                                     | 15                                                                                                              |
| 20                                    | 48.0           | 48,900  | 48,900       | 54.0                                                                                                        | 48,700 | 48,700                                                                                                     | 20                                                                                                              |
| 25                                    | 34.5           | 32,800  | 37,600       | 44.0                                                                                                        | 32,600 | 37,400                                                                                                     | 25                                                                                                              |
| 30                                    |                |         |              | 31.0                                                                                                        | 22,300 | 29,800                                                                                                     | 30                                                                                                              |
| Min.Bm.<br>Ang./Cap.                  | 0.0<br>(30.0)  | 17,800  | 17,800       | 0.0<br>(34.5)                                                                                               | 15,400 | 15,400                                                                                                     | Min.Bm.<br>Ang./Cap.                                                                                            |

| Load<br>Radius<br>(Ft.) | 50 Ft.         |        |              | 60.3 Ft.       |        |              | Load<br>Radius<br>(Ft.) |
|-------------------------|----------------|--------|--------------|----------------|--------|--------------|-------------------------|
|                         | $\angle^\circ$ | 360°   | Over<br>Rear | $\angle^\circ$ | 360°   | Over<br>Rear |                         |
| 10                      | 75.0           | 72,800 | 72,800       |                |        |              | 10                      |
| 12                      | 72.5           | 65,800 | 65,800       | 76.5           | 50,900 | 50,900       | 12                      |
| 15                      | 69.0           | 57,700 | 57,700       | 73.5           | 47,300 | 47,300       | 15                      |
| 20                      | 62.5           | 47,500 | 47,500       | 68.5           | 39,300 | 39,300       | 20                      |
| 25                      | 55.5           | 31,800 | 37,100       | 63.0           | 31,300 | 33,500       | 25                      |
| 30                      | 48.0           | 21,900 | 29,500       | 57.0           | 21,400 | 28,800       | 30                      |
| 35                      | 39.0           | 15,800 | 22,200       | 50.5           | 15,500 | 21,800       | 35                      |
| 40                      | 27.5           | 11,800 | 17,100       | 44.0           | 11,600 | 16,900       | 40                      |
| 45                      |                |        |              | 36.0           | 8,700  | 13,300       | 45                      |
| 50                      |                |        |              | 26.0           | 6,500  | 10,600       | 50                      |
| Min.Bm.<br>Ang./Cap.    | 0.0<br>(44.5)  | 9,000  | 10,100       | 0.0<br>(54.8)  | 4,800  | 6,600        | Min.Bm.<br>Ang./Cap.    |

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

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| Rated Lifting Capacities<br>In Pounds |                                                                                     | <br>FULL OUTRIGGERS |              |                                                                                     | <br>4,300 # CTWT |              |                                                                                       | <br>MAIN BOOM<br>“B” |              |                          |
|---------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--------------|--------------------------|
| Load<br>Radius<br>(Ft.)               | 35.5 Ft.                                                                            |                                                                                                      |              | 40 Ft.                                                                              |                                                                                                    |              | 50 Ft.                                                                                |                                                                                                         |              | Load<br>Radius<br>(Ft.)  |
|                                       |  ° | 360°                                                                                                 | Over<br>Rear |  ° | 360°                                                                                               | Over<br>Rear |  ° | 360°                                                                                                    | Over<br>Rear |                          |
| 10                                    | 68.0                                                                                | 100,000                                                                                              | 100,000      | 70.5                                                                                | 37,900                                                                                             | 37,900       | 74.5                                                                                  | 37,900                                                                                                  | 37,900       | 10                       |
| 12                                    | 64.5                                                                                | 76,000                                                                                               | 76,000       | 67.5                                                                                | 37,900                                                                                             | 37,900       | 72.5                                                                                  | 37,900                                                                                                  | 37,900       | 12                       |
| 15                                    | 58.5                                                                                | 65,800                                                                                               | 65,800       | 62.5                                                                                | 37,900                                                                                             | 37,900       | 69.0                                                                                  | 37,900                                                                                                  | 37,900       | 15                       |
| 20                                    | 48.0                                                                                | 48,900                                                                                               | 48,900       | 54.0                                                                                | 37,900                                                                                             | 37,900       | 62.5                                                                                  | 37,900                                                                                                  | 37,900       | 20                       |
| 25                                    | 34.5                                                                                | 32,800                                                                                               | 37,600       | 44.0                                                                                | 33,400                                                                                             | 37,900       | 55.5                                                                                  | 33,900                                                                                                  | 37,900       | 25                       |
| 30                                    |                                                                                     |                                                                                                      |              | 31.0                                                                                | 23,000                                                                                             | 30,300       | 47.5                                                                                  | 23,700                                                                                                  | 30,900       | 30                       |
| 35                                    |                                                                                     |                                                                                                      |              |                                                                                     |                                                                                                    |              | 39.0                                                                                  | 17,500                                                                                                  | 23,800       | 35                       |
| 40                                    |                                                                                     |                                                                                                      |              |                                                                                     |                                                                                                    |              | 27.5                                                                                  | 13,400                                                                                                  | 18,700       | 40                       |
| Min.Bm.<br>Ang./<br>Cap.              | 0.0<br>(30.0)                                                                       | 17,800                                                                                               | 17,800       | 0.0<br>(34.5)                                                                       | 14,700                                                                                             | 14,700       | 0.0<br>(44.5)                                                                         | 10,000                                                                                                  | 10,000       | Min.Bm.<br>Ang./<br>Cap. |

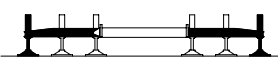
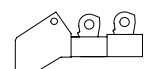
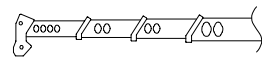
| Load<br>Radius<br>(Ft.)  | 60 Ft.                                                                                |        |              | 70 Ft.                                                                                |        |              | 80 Ft.                                                                                  |        |              | Load<br>Radius<br>(Ft.)  |
|--------------------------|---------------------------------------------------------------------------------------|--------|--------------|---------------------------------------------------------------------------------------|--------|--------------|-----------------------------------------------------------------------------------------|--------|--------------|--------------------------|
|                          |  ° | 360°   | Over<br>Rear |  ° | 360°   | Over<br>Rear |  ° | 360°   | Over<br>Rear |                          |
| 10                       | 77.5                                                                                  | 37,900 | 37,900       |                                                                                       |        |              |                                                                                         |        |              | 10                       |
| 12                       | 76.0                                                                                  | 37,900 | 37,900       | 78.0*                                                                                 | 37,900 | 37,900       |                                                                                         |        |              | 12                       |
| 15                       | 73.0                                                                                  | 37,900 | 37,900       | 76.0                                                                                  | 37,900 | 37,900       | 78.0*                                                                                   | 35,400 | 35,400       | 15                       |
| 20                       | 68.0                                                                                  | 37,900 | 37,900       | 72.0                                                                                  | 37,900 | 37,900       | 74.5                                                                                    | 34,700 | 34,700       | 20                       |
| 25                       | 62.5                                                                                  | 34,300 | 37,900       | 67.0                                                                                  | 34,500 | 37,900       | 71.0                                                                                    | 34,300 | 34,300       | 25                       |
| 30                       | 56.5                                                                                  | 24,000 | 31,300       | 62.5                                                                                  | 24,200 | 31,500       | 67.0                                                                                    | 24,300 | 30,400       | 30                       |
| 35                       | 50.0                                                                                  | 17,900 | 24,100       | 57.5                                                                                  | 18,100 | 24,300       | 62.5                                                                                    | 18,200 | 24,400       | 35                       |
| 40                       | 43.5                                                                                  | 13,800 | 19,100       | 52.0                                                                                  | 14,000 | 19,300       | 58.0                                                                                    | 14,100 | 19,400       | 40                       |
| 45                       | 35.5                                                                                  | 10,900 | 15,400       | 46.5                                                                                  | 11,100 | 15,700       | 53.5                                                                                    | 11,200 | 15,800       | 45                       |
| 50                       | 25.0                                                                                  | 8,600  | 12,600       | 40.0                                                                                  | 8,900  | 12,900       | 48.5                                                                                    | 9,100  | 13,000       | 50                       |
| 55                       |                                                                                       |        |              | 32.5                                                                                  | 7,200  | 10,700       | 43.5                                                                                    | 7,400  | 11,000       | 55                       |
| 60                       |                                                                                       |        |              | 23.0                                                                                  | 5,700  | 9,000        | 37.5                                                                                    | 6,000  | 9,200        | 60                       |
| 65                       |                                                                                       |        |              |                                                                                       |        |              | 30.5                                                                                    | 4,800  | 7,800        | 65                       |
| 70                       |                                                                                       |        |              |                                                                                       |        |              | 21.5                                                                                    | 3,900  | 6,600        | 70                       |
| Min.Bm.<br>Ang./<br>Cap. | 0.0<br>(54.5)                                                                         | 7,000  | 7,100        | 0.0<br>(64.5)                                                                         | 4,700  | 5,000        | 0.0<br>(74.5)                                                                           | 3,100  | 3,600        | Min.Bm.<br>Ang./<br>Cap. |

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

\* This Capacity Based On Maximum Obtainable Boom Angle.

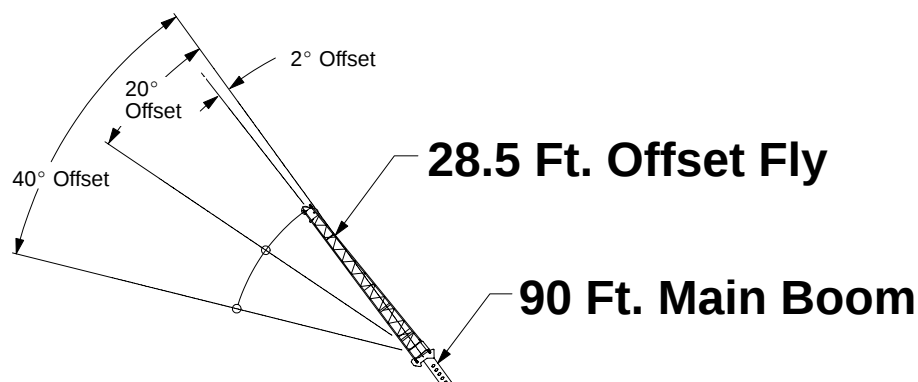
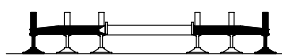
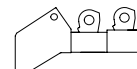
not for crane operations



| <div> <div>Rated Lifting Capacities<br/>In Pounds</div> <div>  <b>FULL OUTRIGGERS</b> </div> <div>  <b>4,300 # CTWT</b> </div> <div>  <b>MAIN BOOM<br/>"B"</b> </div> </div> |               |        |              |                |        |              |                |        |              |                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------|--------------|----------------|--------|--------------|----------------|--------|--------------|--------------------------|
| Load<br>Radius<br>(Ft.)                                                                                                                                                                                                                                                                                                                                                                                                             | 90 Ft.        |        |              | 100 Ft.        |        |              | 110 Ft.        |        |              | Load<br>Radius<br>(Ft.)  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                     | $\angle$ °    | 360°   | Over<br>Rear | $\angle$ °     | 360°   | Over<br>Rear | $\angle$ °     | 360°   | Over<br>Rear |                          |
| 20                                                                                                                                                                                                                                                                                                                                                                                                                                  | 77.0          | 28,900 | 28,900       |                |        |              |                |        |              | 20                       |
| 25                                                                                                                                                                                                                                                                                                                                                                                                                                  | 74.0          | 28,300 | 28,300       | 76.0           | 24,000 | 24,000       | 77.5           | 19,500 | 19,500       | 25                       |
| 30                                                                                                                                                                                                                                                                                                                                                                                                                                  | 70.5          | 24,400 | 24,900       | 73.0           | 22,600 | 22,600       | 75.0           | 19,500 | 19,500       | 30                       |
| 35                                                                                                                                                                                                                                                                                                                                                                                                                                  | 66.5          | 18,300 | 22,100       | 70.0           | 18,400 | 20,100       | 72.5           | 18,400 | 18,500       | 35                       |
| 40                                                                                                                                                                                                                                                                                                                                                                                                                                  | 62.5          | 14,200 | 19,500       | 66.5           | 14,300 | 18,000       | 69.5           | 14,300 | 16,500       | 40                       |
| 45                                                                                                                                                                                                                                                                                                                                                                                                                                  | 59.0          | 11,300 | 15,900       | 63.0           | 11,400 | 15,900       | 66.5           | 11,500 | 14,700       | 45                       |
| 50                                                                                                                                                                                                                                                                                                                                                                                                                                  | 54.5          | 9,200  | 13,100       | 59.5           | 9,200  | 13,200       | 63.0           | 9,300  | 13,200       | 50                       |
| 55                                                                                                                                                                                                                                                                                                                                                                                                                                  | 50.5          | 7,500  | 11,100       | 56.0           | 7,500  | 11,100       | 60.0           | 7,600  | 11,200       | 55                       |
| 60                                                                                                                                                                                                                                                                                                                                                                                                                                  | 46.0          | 6,100  | 9,400        | 52.0           | 6,200  | 9,400        | 56.5           | 6,200  | 9,500        | 60                       |
| 65                                                                                                                                                                                                                                                                                                                                                                                                                                  | 41.0          | 5,000  | 7,900        | 48.0           | 5,100  | 8,000        | 53.0           | 5,100  | 8,100        | 65                       |
| 70                                                                                                                                                                                                                                                                                                                                                                                                                                  | 35.5          | 4,000  | 6,700        | 43.5           | 4,100  | 6,800        | 49.5           | 4,200  | 6,900        | 70                       |
| 75                                                                                                                                                                                                                                                                                                                                                                                                                                  | 29.0          | 3,200  | 5,700        | 39.0           | 3,300  | 5,800        | 46.0           | 3,400  | 5,900        | 75                       |
| 80                                                                                                                                                                                                                                                                                                                                                                                                                                  | 20.5          | 2,500  | 4,800        | 34.0           | 2,600  | 5,000        | 42.0           | 2,700  | 5,100        | 80                       |
| 85                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |        |              | 27.5           | 2,000  | 4,200        | 37.5           | 2,100  | 4,300        | 85                       |
| 90                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |        |              | 20.0           | 1,500  | 3,600        | 32.5           | 1,600  | 3,600        | 90                       |
| Min.Bm.<br>Ang./<br>Cap.                                                                                                                                                                                                                                                                                                                                                                                                            | 0.0<br>(84.5) | 2,000  | 2,500        | 13.0<br>(92.8) |        |              | 27.5<br>(93.9) |        |              | Min.Bm.<br>Ang./<br>Cap. |
| <div>  <b>WARNING</b> </div> <p>Do Not Lower The Boom Below The Minimum Boom Angle For The Boom Lengths Shown, Since Loss Of Stability Will Occur Causing A Tipping Condition.</p>                                                                                                                                                               |               |        |              |                |        |              |                |        |              |                          |

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

not for crane operations

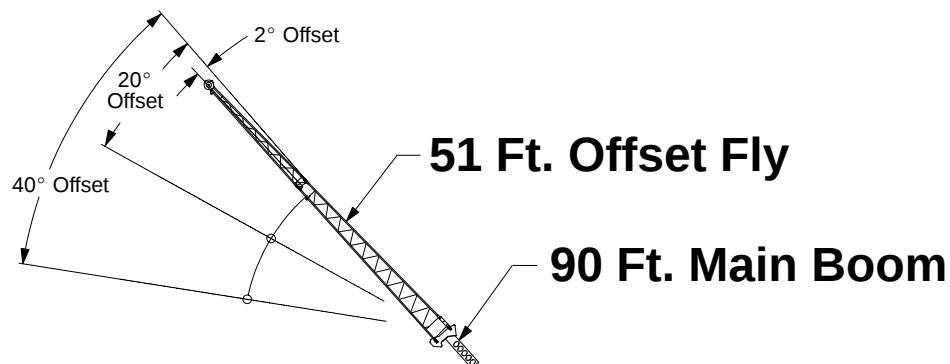
**Rated Lifting Capacities  
In Pounds****FULL OUTRIGGERS****4,300 # CTWT**

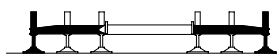
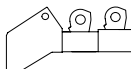
| Load<br>Radius<br>(Ft.) | 2° Offset      |        | 20° Offset     |        | 40° Offset     |       | Load<br>Radius<br>(Ft.) |
|-------------------------|----------------|--------|----------------|--------|----------------|-------|-------------------------|
|                         | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°  |                         |
| 30                      | 77.0           | 16,900 |                |        |                |       | 30                      |
| 35                      | 74.5           | 14,200 |                |        |                |       | 35                      |
| 40                      | 72.0           | 13,500 | 75.5           | 10,600 |                |       | 40                      |
| 45                      | 69.5           | 12,500 | 73.0           | 10,100 | 76.5           | 7,900 | 45                      |
| 50                      | 66.5           | 10,300 | 70.5           | 9,700  | 73.5           | 7,700 | 50                      |
| 55                      | 63.5           | 8,500  | 68.0           | 9,200  | 71.0           | 7,400 | 55                      |
| 60                      | 60.5           | 7,100  | 64.5           | 7,800  | 68.0           | 7,200 | 60                      |
| 65                      | 57.5           | 5,900  | 61.5           | 6,500  | 65.0           | 7,000 | 65                      |
| 70                      | 54.0           | 5,000  | 58.0           | 5,500  | 61.5           | 5,900 | 70                      |
| 75                      | 50.5           | 4,200  | 54.5           | 4,600  | 58.0           | 5,000 | 75                      |
| 80                      | 47.0           | 3,500  | 51.0           | 3,900  | 54.0           | 4,100 | 80                      |
| 85                      | 43.5           | 2,900  | 47.5           | 3,200  | 49.5           | 3,400 | 85                      |
| 90                      | 39.5           | 2,300  | 43.0           | 2,600  | 45.0           | 2,800 | 90                      |
| 95                      | 35.0           | 1,900  | 38.5           | 2,100  | 40.0           | 2,200 | 95                      |
| 100                     | 30.0           | 1,500  | 33.5           | 1,600  |                |       | 100                     |
| 105                     |                |        | 27.0           | 1,200  |                |       | 105                     |

**WARNING**

Do Not Lower 28.5 Ft. Offset Fly In Working Position Below 25.5° Main Boom Angle Unless Main Boom Length Is 82 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

not for crane operations



| Rated Lifting Capacities<br>In Pounds |                                                                                     |       | <br>FULL OUTRIGGERS |       | <br>4,300 # CTWT |       |                         |
|---------------------------------------|-------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------|-------|-------------------------|
| Load<br>Radius<br>(Ft.)               | 2° Offset                                                                           |       | 20° Offset                                                                                           |       | 40° Offset                                                                                          |       | Load<br>Radius<br>(Ft.) |
|                                       |  ° | 360°  |  °                  | 360°  |  °               | 360°  |                         |
| 35                                    | 78.0*                                                                               | 9,200 |                                                                                                      |       |                                                                                                     |       | 35                      |
| 40                                    | 76.0                                                                                | 8,600 |                                                                                                      |       |                                                                                                     |       | 40                      |
| 45                                    | 74.0                                                                                | 8,100 |                                                                                                      |       |                                                                                                     |       | 45                      |
| 50                                    | 72.0                                                                                | 7,600 | 78.0*                                                                                                | 5,500 |                                                                                                     |       | 50                      |
| 55                                    | 70.0                                                                                | 7,000 | 75.5                                                                                                 | 5,200 |                                                                                                     |       | 55                      |
| 60                                    | 67.5                                                                                | 6,600 | 73.5                                                                                                 | 4,900 |                                                                                                     |       | 60                      |
| 65                                    | 65.5                                                                                | 6,100 | 71.0                                                                                                 | 4,700 | 77.0                                                                                                | 3,700 | 65                      |
| 70                                    | 63.0                                                                                | 5,600 | 69.0                                                                                                 | 4,400 | 74.5                                                                                                | 3,600 | 70                      |
| 75                                    | 60.5                                                                                | 4,800 | 66.5                                                                                                 | 4,200 | 72.0                                                                                                | 3,500 | 75                      |
| 80                                    | 58.0                                                                                | 4,100 | 64.0                                                                                                 | 4,100 | 69.5                                                                                                | 3,400 | 80                      |
| 85                                    | 55.0                                                                                | 3,500 | 61.5                                                                                                 | 3,900 | 66.5                                                                                                | 3,300 | 85                      |
| 90                                    | 52.0                                                                                | 2,900 | 58.5                                                                                                 | 3,500 | 63.5                                                                                                | 3,200 | 90                      |
| 95                                    | 49.5                                                                                | 2,500 | 55.5                                                                                                 | 3,000 | 60.5                                                                                                | 3,200 | 95                      |
| 100                                   | 46.5                                                                                | 2,000 | 52.5                                                                                                 | 2,500 | 57.5                                                                                                | 2,900 | 100                     |
| 105                                   | 43.0                                                                                | 1,600 | 49.0                                                                                                 | 2,100 | 53.5                                                                                                | 2,400 | 105                     |
| 110                                   |                                                                                     |       | 45.5                                                                                                 | 1,700 | 49.5                                                                                                | 1,900 | 110                     |
| 115                                   |                                                                                     |       | 41.5                                                                                                 | 1,300 | 44.5                                                                                                | 1,500 | 115                     |



**WARNING**

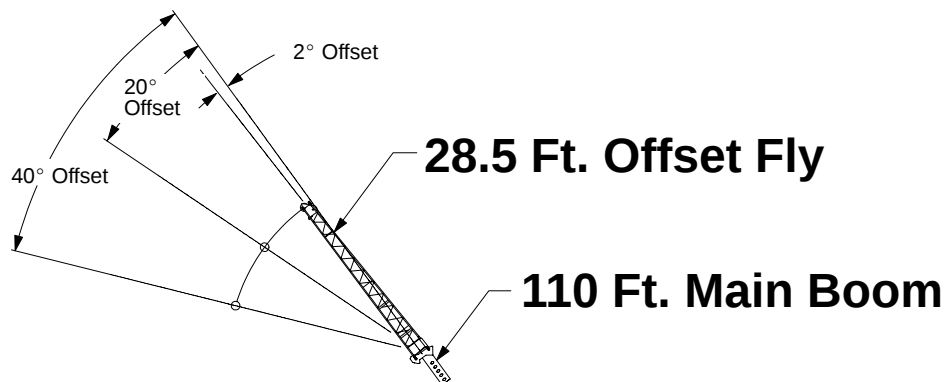
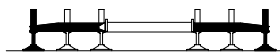
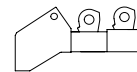
**Do Not Lower 51 Ft. Offset Fly In Working Position Below 40.0° Main Boom Angle Unless Main Boom Length Is 74 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.**

**WARNING**

Do Not Lower 51 Ft. Offset Fly In Working Position Below 40.0° Main Boom Angle Unless Main Boom Length Is 74 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

\* This Capacity Based On Maximum Obtainable Boom Angle.

not for crane operations

**Rated Lifting Capacities  
In Pounds****FULL OUTRIGGERS****4,300 # CTWT**

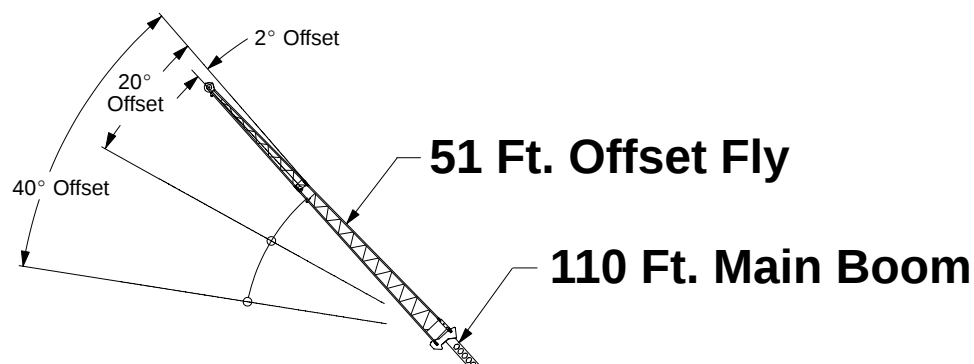
| Load<br>Radius<br>(Ft.) | 2° Offset      |       | 20° Offset     |       | 40° Offset     |       | Load<br>Radius<br>(Ft.) |
|-------------------------|----------------|-------|----------------|-------|----------------|-------|-------------------------|
|                         | $\angle^\circ$ | 360°  | $\angle^\circ$ | 360°  | $\angle^\circ$ | 360°  |                         |
| 35                      | 77.0           | 9,400 |                |       |                |       | 35                      |
| 40                      | 75.5           | 9,400 |                |       |                |       | 40                      |
| 45                      | 73.5           | 9,400 | 77.0           | 9,600 |                |       | 45                      |
| 50                      | 71.5           | 9,400 | 75.0           | 9,200 | 78.0*          | 7,600 | 50                      |
| 55                      | 69.0           | 8,300 | 73.0           | 8,600 | 75.5           | 7,400 | 55                      |
| 60                      | 66.5           | 6,900 | 70.5           | 7,700 | 73.5           | 7,200 | 60                      |
| 65                      | 64.0           | 5,800 | 68.0           | 6,400 | 71.0           | 7,000 | 65                      |
| 70                      | 61.5           | 4,800 | 65.0           | 5,400 | 68.5           | 5,900 | 70                      |
| 75                      | 58.5           | 4,000 | 62.5           | 4,500 | 65.5           | 4,900 | 75                      |
| 80                      | 56.0           | 3,300 | 59.5           | 3,700 | 62.5           | 4,100 | 80                      |
| 85                      | 53.0           | 2,700 | 56.5           | 3,100 | 59.5           | 3,400 | 85                      |
| 90                      | 50.0           | 2,200 | 53.5           | 2,500 | 56.0           | 2,800 | 90                      |
| 95                      | 47.0           | 1,700 | 50.5           | 2,000 | 52.5           | 2,200 | 95                      |
| 100                     | 44.0           | 1,300 | 47.0           | 1,600 | 49.0           | 1,700 | 100                     |
| 105                     |                |       |                |       | 45.5           | 1,300 | 105                     |

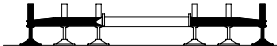
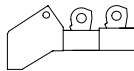
**WARNING**

Do Not Lower 28.5 Ft. Offset Fly In Working Position Below 43.0° Main Boom Angle Unless Main Boom Length Is 82 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

\*This Capacity Based On Maximum Obtainable Boom Angle.

not for crane operations



| Rated Lifting Capacities<br>In Pounds |                                                                                     |       | <br>FULL OUTRIGGERS |       | <br>4,300 # CTWT |       |                         |       |    |
|---------------------------------------|-------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------|-------|-------------------------|-------|----|
| Load<br>Radius<br>(Ft.)               | 2° Offset                                                                           |       | 20° Offset                                                                                           |       | 40° Offset                                                                                          |       | Load<br>Radius<br>(Ft.) |       |    |
|                                       |  ° | 360°  |  °                  | 360°  |  °               | 360°  |                         |       |    |
| 45                                    | 77.0                                                                                | 6,200 |                                                                                                      |       |                                                                                                     |       | 45                      |       |    |
| 50                                    | 75.5                                                                                | 6,200 |                                                                                                      |       |                                                                                                     |       | 50                      |       |    |
| 55                                    | 74.0                                                                                | 6,200 |                                                                                                      |       |                                                                                                     |       | 55                      |       |    |
| 60                                    | 72.5                                                                                | 6,200 |                                                                                                      |       |                                                                                                     |       | 60                      |       |    |
| 65                                    | 70.5                                                                                | 6,100 |                                                                                                      |       |                                                                                                     |       | 65                      |       |    |
| 70                                    | 68.5                                                                                | 5,300 | 73.5                                                                                                 | 4,500 |                                                                                                     |       | 70                      |       |    |
| 75                                    | 66.0                                                                                | 4,500 | 71.5                                                                                                 | 4,300 |                                                                                                     |       | 76.5                    | 3,500 | 75 |
| 80                                    | 64.0                                                                                | 3,800 | 70.0                                                                                                 | 4,200 |                                                                                                     |       | 74.5                    | 3,400 | 80 |
| 85                                    | 61.5                                                                                | 3,200 | 67.5                                                                                                 | 3,900 |                                                                                                     |       | 72.5                    | 3,300 | 85 |
| 90                                    | 59.0                                                                                | 2,600 | 65.0                                                                                                 | 3,300 |                                                                                                     |       | 70.0                    | 3,300 | 90 |
| 95                                    | 57.0                                                                                | 2,200 | 62.5                                                                                                 | 2,800 | 68.0                                                                                                | 3,200 | 95                      |       |    |
| 100                                   | 54.5                                                                                | 1,700 | 60.0                                                                                                 | 2,300 | 65.0                                                                                                | 2,800 | 100                     |       |    |
| 105                                   |                                                                                     |       | 57.5                                                                                                 | 1,900 | 62.5                                                                                                | 2,300 | 105                     |       |    |
| 110                                   |                                                                                     |       | 55.0                                                                                                 | 1,500 | 59.5                                                                                                | 1,900 | 110                     |       |    |
| 115                                   |                                                                                     |       |                                                                                                      |       | 56.0                                                                                                | 1,500 | 115                     |       |    |

 **WARNING**  
Do Not Lower 51 Ft. Offset Fly In Working Position Below 53.0° Main Boom Angle Unless Main Boom Length Is 74 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

not for crane operations

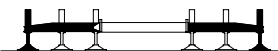
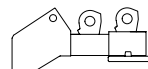
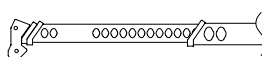


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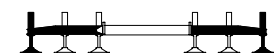
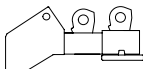
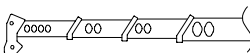
| Rated Lifting Capacities<br>In Pounds |                                                                                     | <br>FULL OUTRIGGERS |              | <br>7,900 # CTWT |        | <br>MAIN BOOM<br>“A” |                         |
|---------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------|----------------------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------------------------|-------------------------|
| Load<br>Radius<br>(Ft.)               | 35.5 Ft.                                                                            |                                                                                                      |              | 40 Ft.                                                                                             |        |                                                                                                         | Load<br>Radius<br>(Ft.) |
|                                       |  ° | 360°                                                                                                 | Over<br>Rear |  °                | 360°   | Over<br>Rear                                                                                            |                         |
| 10                                    | 68.0                                                                                | 100,000                                                                                              | 100,000      | 70.5                                                                                               | 80,900 | 80,900                                                                                                  | 10                      |
| 12                                    | 64.5                                                                                | 76,000                                                                                               | 76,000       | 67.5                                                                                               | 73,200 | 73,200                                                                                                  | 12                      |
| 15                                    | 58.5                                                                                | 65,800                                                                                               | 65,800       | 62.5                                                                                               | 63,600 | 63,600                                                                                                  | 15                      |
| 20                                    | 48.0                                                                                | 50,700                                                                                               | 50,700       | 54.0                                                                                               | 50,500 | 50,500                                                                                                  | 20                      |
| 25                                    | 34.5                                                                                | 37,200                                                                                               | 39,000       | 44.0                                                                                               | 37,000 | 38,900                                                                                                  | 25                      |
| 30                                    |                                                                                     |                                                                                                      |              | 31.0                                                                                               | 25,600 | 31,000                                                                                                  | 30                      |
| Min.Bm.<br>Ang./Cap.                  | 0.0<br>(30.0)                                                                       | 17,800                                                                                               | 17,800       | 0.0<br>(34.5)                                                                                      | 15,400 | 15,400                                                                                                  | Min.Bm.<br>Ang./Cap.    |

| Load<br>Radius<br>(Ft.) | 50 Ft.        |        |              | 60.3 Ft.      |        |              | Load<br>Radius<br>(Ft.) |
|-------------------------|---------------|--------|--------------|---------------|--------|--------------|-------------------------|
|                         | $\angle$ °    | 360°   | Over<br>Rear | $\angle$ °    | 360°   | Over<br>Rear |                         |
| 10                      | 75.0          | 72,800 | 72,800       |               |        |              | 10                      |
| 12                      | 72.5          | 65,800 | 65,800       | 76.5          | 50,900 | 50,900       | 12                      |
| 15                      | 69.0          | 57,700 | 57,700       | 73.5          | 47,300 | 47,300       | 15                      |
| 20                      | 62.5          | 47,500 | 47,500       | 68.5          | 39,300 | 39,300       | 20                      |
| 25                      | 55.5          | 36,200 | 38,500       | 63.0          | 33,500 | 33,500       | 25                      |
| 30                      | 48.0          | 25,100 | 30,700       | 57.0          | 24,700 | 28,800       | 30                      |
| 35                      | 39.0          | 18,500 | 24,700       | 51.0          | 18,100 | 24,300       | 35                      |
| 40                      | 27.5          | 13,900 | 19,200       | 44.0          | 13,800 | 19,000       | 40                      |
| 45                      |               |        |              | 36.0          | 10,600 | 15,100       | 45                      |
| 50                      |               |        |              | 26.0          | 8,200  | 12,100       | 50                      |
| Min.Bm.<br>Ang./Cap.    | 0.0<br>(44.5) | 10,100 | 10,100       | 0.0<br>(54.8) | 6,300  | 6,600        | Min.Bm.<br>Ang./Cap.    |

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

not for crane operations



| Rated Lifting Capacities<br>In Pounds |                                                                                     |         |              | <br>FULL OUTRIGGERS |        |              | <br>7,900 # CTWT |        |              | <br>MAIN BOOM<br>“B” |  |
|---------------------------------------|-------------------------------------------------------------------------------------|---------|--------------|------------------------------------------------------------------------------------------------------|--------|--------------|----------------------------------------------------------------------------------------------------|--------|--------------|---------------------------------------------------------------------------------------------------------|--|
| Load<br>Radius<br>(Ft.)               | 35.5 Ft.                                                                            |         |              | 40 Ft.                                                                                               |        |              | 50 Ft.                                                                                             |        |              | Load<br>Radius<br>(Ft.)                                                                                 |  |
|                                       |  ° | 360°    | Over<br>Rear |  °                  | 360°   | Over<br>Rear |  °               | 360°   | Over<br>Rear |                                                                                                         |  |
| 10                                    | 68.0                                                                                | 100,000 | 100,000      | 70.5                                                                                                 | 37,900 | 37,900       | 74.5                                                                                               | 37,900 | 37,900       | 10                                                                                                      |  |
| 12                                    | 64.5                                                                                | 76,000  | 76,000       | 67.5                                                                                                 | 37,900 | 37,900       | 72.5                                                                                               | 37,900 | 37,900       | 12                                                                                                      |  |
| 15                                    | 58.5                                                                                | 65,800  | 65,800       | 62.5                                                                                                 | 37,900 | 37,900       | 69.0                                                                                               | 37,900 | 37,900       | 15                                                                                                      |  |
| 20                                    | 48.0                                                                                | 50,700  | 50,700       | 54.0                                                                                                 | 37,900 | 37,900       | 62.5                                                                                               | 37,900 | 37,900       | 20                                                                                                      |  |
| 25                                    | 34.5                                                                                | 37,200  | 39,000       | 44.0                                                                                                 | 37,800 | 37,900       | 55.5                                                                                               | 37,900 | 37,900       | 25                                                                                                      |  |
| 30                                    |                                                                                     |         |              | 31.0                                                                                                 | 26,300 | 31,500       | 47.5                                                                                               | 27,000 | 32,100       | 30                                                                                                      |  |
| 35                                    |                                                                                     |         |              |                                                                                                      |        |              | 39.0                                                                                               | 20,200 | 26,300       | 35                                                                                                      |  |
| 40                                    |                                                                                     |         |              |                                                                                                      |        |              | 27.5                                                                                               | 15,600 | 20,800       | 40                                                                                                      |  |
| Min.Bm.<br>Ang./<br>Cap.              | 0.0<br>(30.0)                                                                       | 17,800  | 17,800       | 0.0<br>(34.5)                                                                                        | 14,700 | 14,700       | 0.0<br>(44.5)                                                                                      | 10,000 | 10,000       | Min.Bm.<br>Ang./<br>Cap.                                                                                |  |

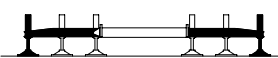
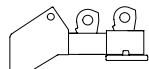
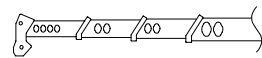
| Load<br>Radius<br>(Ft.)  | 60 Ft.         |        |              | 70 Ft.         |        |              | 80 Ft.         |        |              | Load<br>Radius<br>(Ft.)  |
|--------------------------|----------------|--------|--------------|----------------|--------|--------------|----------------|--------|--------------|--------------------------|
|                          | $\angle^\circ$ | 360°   | Over<br>Rear | $\angle^\circ$ | 360°   | Over<br>Rear | $\angle^\circ$ | 360°   | Over<br>Rear |                          |
| 10                       | 77.5           | 37,900 | 37,900       |                |        |              |                |        |              | 10                       |
| 12                       | 76.0           | 37,900 | 37,900       | 78.0*          | 37,900 | 37,900       |                |        |              | 12                       |
| 15                       | 73.0           | 37,900 | 37,900       | 76.0           | 37,900 | 37,900       | 78.0*          | 35,400 | 35,400       | 15                       |
| 20                       | 68.0           | 37,900 | 37,900       | 72.0           | 37,900 | 37,900       | 74.5           | 34,700 | 34,700       | 20                       |
| 25                       | 62.5           | 37,900 | 37,900       | 67.5           | 37,900 | 37,900       | 71.0           | 34,300 | 34,300       | 25                       |
| 30                       | 56.5           | 27,300 | 32,500       | 62.5           | 27,500 | 32,700       | 67.0           | 27,600 | 30,400       | 30                       |
| 35                       | 50.5           | 20,500 | 26,700       | 57.5           | 20,700 | 26,900       | 62.5           | 20,800 | 27,000       | 35                       |
| 40                       | 43.5           | 16,000 | 21,200       | 52.0           | 16,200 | 21,400       | 58.5           | 16,300 | 21,500       | 40                       |
| 45                       | 35.5           | 12,700 | 17,200       | 46.5           | 13,000 | 17,500       | 53.5           | 13,100 | 17,600       | 45                       |
| 50                       | 25.0           | 10,200 | 14,200       | 40.0           | 10,600 | 14,500       | 49.0           | 10,700 | 14,600       | 50                       |
| 55                       |                |        |              | 32.5           | 8,600  | 12,100       | 43.5           | 8,800  | 12,300       | 55                       |
| 60                       |                |        |              | 23.0           | 7,100  | 10,300       | 37.5           | 7,300  | 10,500       | 60                       |
| 65                       |                |        |              |                |        |              | 31.0           | 6,000  | 8,900        | 65                       |
| 70                       |                |        |              |                |        |              | 22.0           | 5,000  | 7,600        | 70                       |
| Min.Bm.<br>Ang./<br>Cap. | 0.0<br>(54.5)  | 7,100  | 7,100        | 0.0<br>(64.5)  | 5,000  | 5,000        | 0.0<br>(74.5)  | 3,600  | 3,600        | Min.Bm.<br>Ang./<br>Cap. |

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

\* This Capacity Based On Maximum Obtainable Boom Angle.

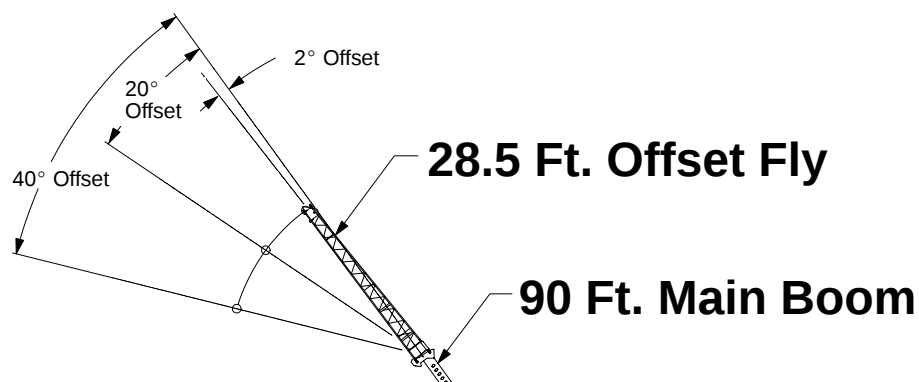
not for crane operations



| <div> <div>Rated Lifting Capacities<br/>In Pounds</div> <div>  <b>FULL OUTRIGGERS</b> </div> <div>  <b>7,900 # CTWT</b> </div> <div>  <b>MAIN BOOM<br/>"B"</b> </div> </div> |                |        |              |                |        |              |                 |        |              |                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------|--------------|----------------|--------|--------------|-----------------|--------|--------------|--------------------------|
| Load<br>Radius<br>(Ft.)                                                                                                                                                                                                                                                                                                                                                                                                             | 90 Ft.         |        |              | 100 Ft.        |        |              | 110 Ft.         |        |              | Load<br>Radius<br>(Ft.)  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                     | $\angle^\circ$ | 360°   | Over<br>Rear | $\angle^\circ$ | 360°   | Over<br>Rear | $\angle^\circ$  | 360°   | Over<br>Rear |                          |
| 20                                                                                                                                                                                                                                                                                                                                                                                                                                  | 77.0           | 28,900 | 28,900       |                |        |              |                 |        |              | 20                       |
| 25                                                                                                                                                                                                                                                                                                                                                                                                                                  | 74.0           | 28,300 | 28,300       | 76.0           | 24,000 | 24,000       | 77.5            | 19,500 | 19,500       | 25                       |
| 30                                                                                                                                                                                                                                                                                                                                                                                                                                  | 70.5           | 24,900 | 24,900       | 73.0           | 22,600 | 22,600       | 75.0            | 19,500 | 19,500       | 30                       |
| 35                                                                                                                                                                                                                                                                                                                                                                                                                                  | 67.0           | 20,900 | 22,100       | 70.0           | 20,100 | 20,100       | 72.5            | 18,500 | 18,500       | 35                       |
| 40                                                                                                                                                                                                                                                                                                                                                                                                                                  | 63.0           | 16,400 | 19,800       | 66.5           | 16,500 | 18,000       | 70.0            | 16,500 | 16,500       | 40                       |
| 45                                                                                                                                                                                                                                                                                                                                                                                                                                  | 59.0           | 13,200 | 17,700       | 63.0           | 13,200 | 16,200       | 66.5            | 13,300 | 14,700       | 45                       |
| 50                                                                                                                                                                                                                                                                                                                                                                                                                                  | 55.0           | 10,800 | 14,700       | 59.5           | 10,900 | 14,500       | 63.5            | 10,900 | 13,300       | 50                       |
| 55                                                                                                                                                                                                                                                                                                                                                                                                                                  | 50.5           | 8,900  | 12,400       | 56.0           | 9,000  | 12,500       | 60.5            | 9,000  | 12,100       | 55                       |
| 60                                                                                                                                                                                                                                                                                                                                                                                                                                  | 46.0           | 7,400  | 10,600       | 52.0           | 7,500  | 10,700       | 57.0            | 7,500  | 10,800       | 60                       |
| 65                                                                                                                                                                                                                                                                                                                                                                                                                                  | 41.0           | 6,200  | 9,100        | 48.0           | 6,200  | 9,200        | 53.5            | 6,300  | 9,200        | 65                       |
| 70                                                                                                                                                                                                                                                                                                                                                                                                                                  | 35.5           | 5,100  | 7,800        | 44.0           | 5,200  | 7,900        | 50.0            | 5,300  | 8,000        | 70                       |
| 75                                                                                                                                                                                                                                                                                                                                                                                                                                  | 29.0           | 4,200  | 6,700        | 39.5           | 4,300  | 6,800        | 46.0            | 4,400  | 6,900        | 75                       |
| 80                                                                                                                                                                                                                                                                                                                                                                                                                                  | 21.0           | 3,400  | 5,800        | 34.0           | 3,600  | 5,900        | 42.0            | 3,700  | 6,000        | 80                       |
| 85                                                                                                                                                                                                                                                                                                                                                                                                                                  |                |        |              | 28.0           | 2,900  | 5,100        | 37.5            | 3,000  | 5,200        | 85                       |
| 90                                                                                                                                                                                                                                                                                                                                                                                                                                  |                |        |              | 20.0           | 2,300  | 4,400        | 32.5            | 2,400  | 4,400        | 90                       |
| 95                                                                                                                                                                                                                                                                                                                                                                                                                                  |                |        |              |                |        |              | 27.0            | 1,900  | 3,800        | 95                       |
| 100                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |        |              |                |        |              | 19.5            | 1,400  | 3,300        | 100                      |
| Min.Bm.<br>Ang./<br>Cap.                                                                                                                                                                                                                                                                                                                                                                                                            | 0.0<br>(84.5)  | 2,500  | 2,500        | 0.0<br>(94.5)  | 1,600  | 1,600        | 12.0<br>(103.1) |        |              | Min.Bm.<br>Ang./<br>Cap. |
| <div>  <b>WARNING</b> </div> <p>Do Not Lower The Boom Below The Minimum Boom Angle For The Boom Lengths Shown, Since Loss Of Stability Will Occur Causing A Tipping Condition.</p>                                                                                                                                                               |                |        |              |                |        |              |                 |        |              |                          |

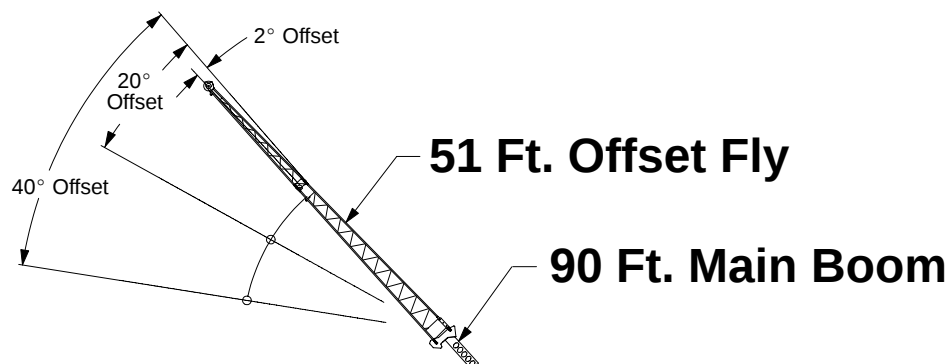
( ) Reference Radius For Min. Boom Angle Capacities (Shown In Parenthesis) Are In Feet.

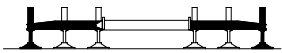
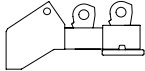
not for crane operations



| Rated Lifting Capacities<br>In Pounds |                |        |                |              |                |       |                         |
|---------------------------------------|----------------|--------|----------------|--------------|----------------|-------|-------------------------|
| FULL OUTRIGGERS                       |                |        |                | 7,900 # CTWT |                |       |                         |
| Load<br>Radius<br>(Ft.)               | 2° Offset      |        | 20° Offset     |              | 40° Offset     |       | Load<br>Radius<br>(Ft.) |
|                                       | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°         | $\angle^\circ$ | 360°  |                         |
| 30                                    | 77.0           | 16,900 |                |              |                |       | 30                      |
| 35                                    | 74.5           | 14,200 |                |              |                |       | 35                      |
| 40                                    | 72.0           | 13,500 | 75.5           | 10,600       |                |       | 40                      |
| 45                                    | 69.5           | 12,800 | 73.0           | 10,100       | 76.5           | 7,900 | 45                      |
| 50                                    | 67.0           | 11,900 | 70.5           | 9,700        | 73.5           | 7,700 | 50                      |
| 55                                    | 64.0           | 10,000 | 68.0           | 9,200        | 71.0           | 7,400 | 55                      |
| 60                                    | 61.0           | 8,400  | 65.0           | 8,800        | 68.0           | 7,200 | 60                      |
| 65                                    | 57.5           | 7,100  | 62.0           | 7,700        | 65.0           | 7,000 | 65                      |
| 70                                    | 54.5           | 6,100  | 58.5           | 6,600        | 62.0           | 6,900 | 70                      |
| 75                                    | 51.0           | 5,200  | 55.0           | 5,600        | 58.0           | 6,000 | 75                      |
| 80                                    | 47.5           | 4,400  | 51.5           | 4,800        | 54.5           | 5,100 | 80                      |
| 85                                    | 44.0           | 3,700  | 47.5           | 4,100        | 50.0           | 4,300 | 85                      |
| 90                                    | 40.0           | 3,200  | 43.5           | 3,400        | 45.5           | 3,600 | 90                      |
| 95                                    | 35.5           | 2,600  | 39.0           | 2,900        | 40.5           | 3,000 | 95                      |
| 100                                   | 30.5           | 2,200  | 33.5           | 2,400        |                |       | 100                     |
| 105                                   | 24.5           | 1,800  | 27.0           | 1,900        |                |       | 105                     |
| 110                                   | 16.0           | 1,400  |                |              |                |       | 110                     |
| Min.Bm.<br>Ang./Cap.                  | 0.0            | 800    | 0.0            | 900          | 0.0            | 900   | Min.Bm.<br>Ang./Cap.    |

not for crane operations

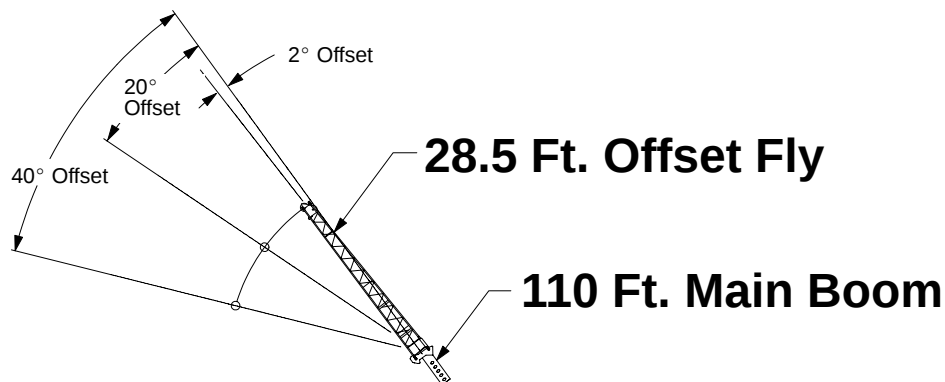
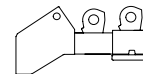


| Rated Lifting Capacities<br>In Pounds |                                                                                     |       | <br>FULL OUTRIGGERS |       | <br>7,900 # CTWT |       |                         |
|---------------------------------------|-------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------|-------|-------------------------|
| Load<br>Radius<br>(Ft.)               | 2° Offset                                                                           |       | 20° Offset                                                                                           |       | 40° Offset                                                                                          |       | Load<br>Radius<br>(Ft.) |
|                                       |  ° | 360°  |  °                  | 360°  |  °               | 360°  |                         |
| 35                                    | 78.0*                                                                               | 9,200 |                                                                                                      |       |                                                                                                     |       | 35                      |
| 40                                    | 76.0                                                                                | 8,600 |                                                                                                      |       |                                                                                                     |       | 40                      |
| 45                                    | 74.0                                                                                | 8,100 |                                                                                                      |       |                                                                                                     |       | 45                      |
| 50                                    | 72.0                                                                                | 7,600 | 78.0*                                                                                                | 5,500 |                                                                                                     |       | 50                      |
| 55                                    | 70.0                                                                                | 7,000 | 75.5                                                                                                 | 5,200 |                                                                                                     |       | 55                      |
| 60                                    | 67.5                                                                                | 6,600 | 73.5                                                                                                 | 4,900 |                                                                                                     |       | 60                      |
| 65                                    | 65.5                                                                                | 6,100 | 71.0                                                                                                 | 4,700 | 77.0                                                                                                | 3,700 | 65                      |
| 70                                    | 63.0                                                                                | 5,800 | 69.0                                                                                                 | 4,400 | 74.5                                                                                                | 3,600 | 70                      |
| 75                                    | 61.0                                                                                | 5,400 | 66.5                                                                                                 | 4,200 | 72.0                                                                                                | 3,500 | 75                      |
| 80                                    | 58.5                                                                                | 5,000 | 64.0                                                                                                 | 4,100 | 69.5                                                                                                | 3,400 | 80                      |
| 85                                    | 55.5                                                                                | 4,300 | 61.5                                                                                                 | 3,900 | 66.5                                                                                                | 3,300 | 85                      |
| 90                                    | 52.5                                                                                | 3,700 | 59.0                                                                                                 | 3,800 | 63.5                                                                                                | 3,200 | 90                      |
| 95                                    | 50.0                                                                                | 3,200 | 56.0                                                                                                 | 3,600 | 60.5                                                                                                | 3,200 | 95                      |
| 100                                   | 46.5                                                                                | 2,800 | 53.0                                                                                                 | 3,200 | 57.5                                                                                                | 3,100 | 100                     |
| 105                                   | 43.5                                                                                | 2,300 | 49.5                                                                                                 | 2,800 | 54.0                                                                                                | 3,100 | 105                     |
| 110                                   | 40.0                                                                                | 2,000 | 46.0                                                                                                 | 2,300 | 49.5                                                                                                | 2,600 | 110                     |
| 115                                   | 36.5                                                                                | 1,600 | 42.0                                                                                                 | 1,900 | 45.0                                                                                                | 2,100 | 115                     |
| 120                                   | 32.0                                                                                | 1,300 | 37.5                                                                                                 | 1,600 |                                                                                                     |       | 120                     |
| 125                                   |                                                                                     |       | 32.5                                                                                                 | 1,200 |                                                                                                     |       | 125                     |

 **WARNING**  
Do Not Lower 51 Ft. Offset Fly In Working Position Below 31.0° Main Boom Angle Unless Main Boom Length Is 82 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

\* This Capacity Based On Maximum Obtainable Boom Angle.

not for crane operations

**Rated Lifting Capacities  
In Pounds****FULL OUTRIGGERS****7,900 # CTWT**

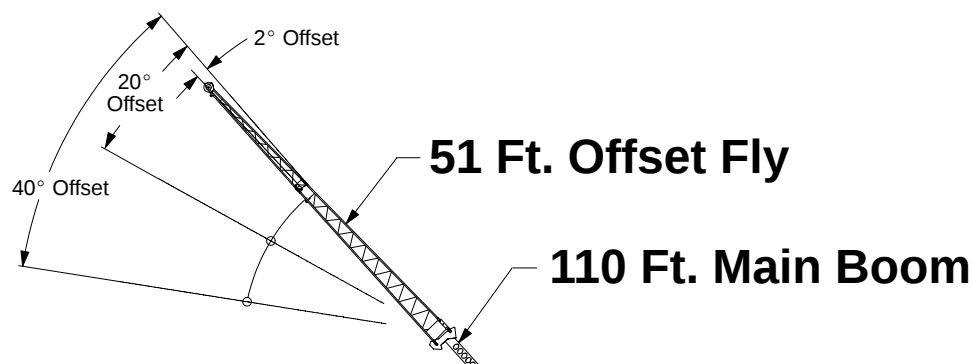
| Load<br>Radius<br>(Ft.) | 2° Offset      |       | 20° Offset     |       | 40° Offset     |       | Load<br>Radius<br>(Ft.) |
|-------------------------|----------------|-------|----------------|-------|----------------|-------|-------------------------|
|                         | $\angle^\circ$ | 360°  | $\angle^\circ$ | 360°  | $\angle^\circ$ | 360°  |                         |
| 35                      | 77.0           | 9,400 |                |       |                |       | 35                      |
| 40                      | 75.5           | 9,400 |                |       |                |       | 40                      |
| 45                      | 73.5           | 9,400 | 77.0           | 9,600 |                |       | 45                      |
| 50                      | 71.5           | 9,400 | 75.0           | 9,200 | 78.0*          | 7,600 | 50                      |
| 55                      | 69.5           | 9,300 | 73.0           | 8,600 | 75.5           | 7,400 | 55                      |
| 60                      | 67.0           | 8,200 | 70.5           | 8,000 | 73.5           | 7,200 | 60                      |
| 65                      | 64.5           | 6,900 | 68.5           | 7,400 | 71.0           | 7,000 | 65                      |
| 70                      | 62.0           | 5,900 | 65.5           | 6,500 | 68.5           | 6,600 | 70                      |
| 75                      | 59.0           | 5,000 | 63.0           | 5,500 | 66.0           | 5,900 | 75                      |
| 80                      | 56.5           | 4,200 | 60.0           | 4,700 | 63.0           | 5,100 | 80                      |
| 85                      | 53.5           | 3,600 | 57.0           | 4,000 | 60.0           | 4,300 | 85                      |
| 90                      | 50.5           | 3,000 | 54.0           | 3,300 | 56.5           | 3,600 | 90                      |
| 95                      | 47.5           | 2,500 | 51.0           | 2,800 | 53.0           | 3,000 | 95                      |
| 100                     | 44.5           | 2,000 | 47.5           | 2,300 | 49.5           | 2,500 | 100                     |
| 105                     | 41.0           | 1,600 | 44.0           | 1,800 | 46.0           | 2,000 | 105                     |
| 110                     | 37.0           | 1,200 | 40.5           | 1,400 | 41.5           | 1,500 | 110                     |

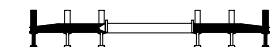
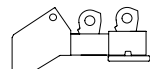
**WARNING**

Do Not Lower 28.5 Ft. Offset Fly In Working Position Below 36.0° Main Boom Angle Unless Main Boom Length Is 91 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

\*This Capacity Based On Maximum Obtainable Boom Angle.

not for crane operations



| Rated Lifting Capacities<br>In Pounds |                                                                                     |       | <br>FULL OUTRIGGERS |       | <br>7,900 # CTWT |       |                         |
|---------------------------------------|-------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------|-------|-------------------------|
| Load<br>Radius<br>(Ft.)               | 2° Offset                                                                           |       | 20° Offset                                                                                           |       | 40° Offset                                                                                          |       | Load<br>Radius<br>(Ft.) |
|                                       |  ° | 360°  |  °                  | 360°  |  °               | 360°  |                         |
| 45                                    | 77.0                                                                                | 6,200 |                                                                                                      |       |                                                                                                     |       | 45                      |
| 50                                    | 75.5                                                                                | 6,200 |                                                                                                      |       |                                                                                                     |       | 50                      |
| 55                                    | 74.0                                                                                | 6,200 |                                                                                                      |       |                                                                                                     |       | 55                      |
| 60                                    | 72.5                                                                                | 6,200 | 77.5                                                                                                 | 4,900 |                                                                                                     |       | 60                      |
| 65                                    | 70.5                                                                                | 6,100 | 75.5                                                                                                 | 4,700 |                                                                                                     |       | 65                      |
| 70                                    | 68.5                                                                                | 5,800 | 73.5                                                                                                 | 4,500 |                                                                                                     |       | 70                      |
| 75                                    | 66.5                                                                                | 5,400 | 71.5                                                                                                 | 4,300 | 76.5                                                                                                | 3,500 | 75                      |
| 80                                    | 64.5                                                                                | 4,700 | 70.0                                                                                                 | 4,200 | 74.5                                                                                                | 3,400 | 80                      |
| 85                                    | 62.0                                                                                | 4,100 | 68.0                                                                                                 | 4,000 | 72.5                                                                                                | 3,300 | 85                      |
| 90                                    | 60.0                                                                                | 3,500 | 65.5                                                                                                 | 3,900 | 70.0                                                                                                | 3,300 | 90                      |
| 95                                    | 57.5                                                                                | 2,900 | 63.5                                                                                                 | 3,600 | 68.0                                                                                                | 3,200 | 95                      |
| 100                                   | 55.0                                                                                | 2,500 | 61.0                                                                                                 | 3,000 | 65.5                                                                                                | 3,200 | 100                     |
| 105                                   | 52.5                                                                                | 2,100 | 58.0                                                                                                 | 2,600 | 63.0                                                                                                | 3,000 | 105                     |
| 110                                   | 50.0                                                                                | 1,700 | 55.5                                                                                                 | 2,200 | 60.0                                                                                                | 2,500 | 110                     |
| 115                                   |                                                                                     |       | 52.5                                                                                                 | 1,800 | 56.5                                                                                                | 2,100 | 115                     |
| 120                                   |                                                                                     |       | 49.5                                                                                                 | 1,400 | 53.5                                                                                                | 1,700 | 120                     |
| 125                                   |                                                                                     |       |                                                                                                      |       | 50.0                                                                                                | 1,300 | 125                     |

 **WARNING**  
Do Not Lower 51 Ft. Offset Fly In Working Position Below 48.0° Main Boom Angle Unless Main Boom Length Is 82 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

not for crane operations

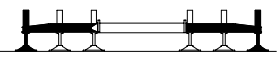
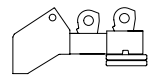
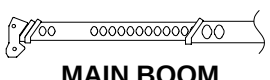


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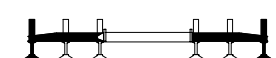
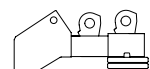
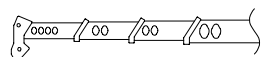
| Rated Lifting Capacities<br>In Pounds                                                                |                |         |              |                                                                                                     |        |                                                                                                         |                         |
|------------------------------------------------------------------------------------------------------|----------------|---------|--------------|-----------------------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------------------------|-------------------------|
| <br>FULL OUTRIGGERS |                |         |              | <br>11,500 # CTWT |        | <br>MAIN BOOM<br>"A" |                         |
| Load<br>Radius<br>(Ft.)                                                                              | 35.5 Ft.       |         |              | 40 Ft.                                                                                              |        |                                                                                                         | Load<br>Radius<br>(Ft.) |
|                                                                                                      | $\angle^\circ$ | 360°    | Over<br>Rear | $\angle^\circ$                                                                                      | 360°   | Over<br>Rear                                                                                            |                         |
| 10                                                                                                   | 68.0           | 100,000 | 100,000      | 70.5                                                                                                | 80,900 | 80,900                                                                                                  | 10                      |
| 12                                                                                                   | 64.5           | 76,000  | 76,000       | 67.5                                                                                                | 73,200 | 73,200                                                                                                  | 12                      |
| 15                                                                                                   | 58.5           | 65,800  | 65,800       | 62.5                                                                                                | 63,600 | 63,600                                                                                                  | 15                      |
| 20                                                                                                   | 48.0           | 52,500  | 52,500       | 54.0                                                                                                | 52,000 | 52,000                                                                                                  | 20                      |
| 25                                                                                                   | 34.5           | 40,500  | 40,500       | 44.0                                                                                                | 40,300 | 40,300                                                                                                  | 25                      |
| 30                                                                                                   |                |         |              | 31.0                                                                                                | 28,900 | 32,200                                                                                                  | 30                      |
| Min.Bm.<br>Ang./Cap.                                                                                 | 0.0<br>(30.0)  | 17,800  | 17,800       | 0.0<br>(34.5)                                                                                       | 15,400 | 15,400                                                                                                  | Min.Bm.<br>Ang./Cap.    |

| Load<br>Radius<br>(Ft.) | 50 Ft.         |        |              | 60.3 Ft.       |        |              | Load<br>Radius<br>(Ft.) |
|-------------------------|----------------|--------|--------------|----------------|--------|--------------|-------------------------|
|                         | $\angle^\circ$ | 360°   | Over<br>Rear | $\angle^\circ$ | 360°   | Over<br>Rear |                         |
| 10                      | 75.0           | 72,800 | 72,800       |                |        |              | 10                      |
| 12                      | 72.5           | 65,800 | 65,800       | 76.5           | 50,900 | 50,900       | 12                      |
| 15                      | 69.0           | 57,700 | 57,700       | 73.5           | 47,300 | 47,300       | 15                      |
| 20                      | 62.5           | 47,500 | 47,500       | 68.5           | 39,300 | 39,300       | 20                      |
| 25                      | 55.5           | 40,000 | 40,000       | 63.0           | 33,500 | 33,500       | 25                      |
| 30                      | 48.0           | 28,500 | 31,900       | 57.0           | 28,000 | 28,800       | 30                      |
| 35                      | 39.0           | 21,100 | 26,100       | 51.0           | 20,800 | 25,300       | 35                      |
| 40                      | 27.5           | 16,100 | 21,300       | 44.0           | 16,000 | 21,100       | 40                      |
| 45                      |                |        |              | 36.0           | 12,400 | 16,900       | 45                      |
| 50                      |                |        |              | 26.0           | 9,800  | 13,700       | 50                      |
| Min.Bm.<br>Ang./Cap.    | 0.0<br>(44.5)  | 10,100 | 10,100       | 0.0<br>(54.8)  | 6,600  | 6,600        | Min.Bm.<br>Ang./Cap.    |

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

not for crane operations



| Rated Lifting Capacities<br>In Pounds |                                                                                     |         |              | <br>FULL OUTRIGGERS |        |              | <br>11,500 # CTWT |        |              | <br>MAIN BOOM<br>"B" |  |
|---------------------------------------|-------------------------------------------------------------------------------------|---------|--------------|------------------------------------------------------------------------------------------------------|--------|--------------|-----------------------------------------------------------------------------------------------------|--------|--------------|---------------------------------------------------------------------------------------------------------|--|
| Load<br>Radius<br>(Ft.)               | 35.5 Ft.                                                                            |         |              | 40 Ft.                                                                                               |        |              | 50 Ft.                                                                                              |        |              | Load<br>Radius<br>(Ft.)                                                                                 |  |
|                                       |  ° | 360°    | Over<br>Rear |  °                  | 360°   | Over<br>Rear |  °                | 360°   | Over<br>Rear |                                                                                                         |  |
| 10                                    | 68.0                                                                                | 100,000 | 100,000      | 70.5                                                                                                 | 37,900 | 37,900       | 74.5                                                                                                | 37,900 | 37,900       | 10                                                                                                      |  |
| 12                                    | 64.5                                                                                | 76,000  | 76,000       | 67.5                                                                                                 | 37,900 | 37,900       | 72.5                                                                                                | 37,900 | 37,900       | 12                                                                                                      |  |
| 15                                    | 58.5                                                                                | 65,800  | 65,800       | 62.5                                                                                                 | 37,900 | 37,900       | 69.0                                                                                                | 37,900 | 37,900       | 15                                                                                                      |  |
| 20                                    | 48.0                                                                                | 52,500  | 52,500       | 54.0                                                                                                 | 37,900 | 37,900       | 62.5                                                                                                | 37,900 | 37,900       | 20                                                                                                      |  |
| 25                                    | 34.5                                                                                | 40,500  | 40,500       | 44.0                                                                                                 | 37,900 | 37,900       | 55.5                                                                                                | 37,900 | 37,900       | 25                                                                                                      |  |
| 30                                    |                                                                                     |         |              | 31.0                                                                                                 | 29,600 | 32,700       | 48.0                                                                                                | 30,300 | 33,300       | 30                                                                                                      |  |
| 35                                    |                                                                                     |         |              |                                                                                                      |        |              | 39.0                                                                                                | 22,800 | 27,500       | 35                                                                                                      |  |
| 40                                    |                                                                                     |         |              |                                                                                                      |        |              | 27.5                                                                                                | 17,700 | 22,900       | 40                                                                                                      |  |
| Min.Bm.<br>Ang./<br>Cap.              | 0.0<br>(30.0)                                                                       | 17,800  | 17,800       | 0.0<br>(34.5)                                                                                        | 14,700 | 14,700       | 0.0<br>(44.5)                                                                                       | 10,000 | 10,000       | Min.Bm.<br>Ang./<br>Cap.                                                                                |  |

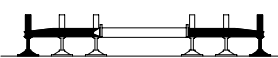
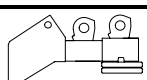
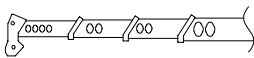
| Load<br>Radius<br>(Ft.)  | 60 Ft.         |        |              | 70 Ft.         |        |              | 80 Ft.         |        |              | Load<br>Radius<br>(Ft.)  |
|--------------------------|----------------|--------|--------------|----------------|--------|--------------|----------------|--------|--------------|--------------------------|
|                          | $\angle^\circ$ | 360°   | Over<br>Rear | $\angle^\circ$ | 360°   | Over<br>Rear | $\angle^\circ$ | 360°   | Over<br>Rear |                          |
| 10                       | 77.5           | 37,900 | 37,900       |                |        |              |                |        |              | 10                       |
| 12                       | 76.0           | 37,900 | 37,900       | 78.0*          | 37,900 | 37,900       |                |        |              | 12                       |
| 15                       | 73.0           | 37,900 | 37,900       | 76.0           | 37,900 | 37,900       | 78.0*          | 35,400 | 35,400       | 15                       |
| 20                       | 68.0           | 37,900 | 37,900       | 72.0           | 37,900 | 37,900       | 74.5           | 34,700 | 34,700       | 20                       |
| 25                       | 62.5           | 37,900 | 37,900       | 67.5           | 37,900 | 37,900       | 71.0           | 34,300 | 34,300       | 25                       |
| 30                       | 56.5           | 30,600 | 33,700       | 62.5           | 30,800 | 32,900       | 67.0           | 30,400 | 30,400       | 30                       |
| 35                       | 50.5           | 23,200 | 27,800       | 57.5           | 23,400 | 28,100       | 63.0           | 23,400 | 27,300       | 35                       |
| 40                       | 43.5           | 18,200 | 23,400       | 52.5           | 18,400 | 23,500       | 58.5           | 18,500 | 23,600       | 40                       |
| 45                       | 35.5           | 14,600 | 19,000       | 46.5           | 14,800 | 19,300       | 54.0           | 15,000 | 19,400       | 45                       |
| 50                       | 25.0           | 11,900 | 15,800       | 40.0           | 12,200 | 16,100       | 49.0           | 12,300 | 16,200       | 50                       |
| 55                       |                |        |              | 33.0           | 10,100 | 13,600       | 43.5           | 10,300 | 13,800       | 55                       |
| 60                       |                |        |              | 23.5           | 8,400  | 11,600       | 38.0           | 8,600  | 11,700       | 60                       |
| 65                       |                |        |              |                |        |              | 31.0           | 7,200  | 10,100       | 65                       |
| 70                       |                |        |              |                |        |              | 22.0           | 6,000  | 8,700        | 70                       |
| Min.Bm.<br>Ang./<br>Cap. | 0.0<br>(54.5)  | 7,100  | 7,100        | 0.0<br>(64.5)  | 5,000  | 5,000        | 0.0<br>(74.5)  | 3,600  | 3,600        | Min.Bm.<br>Ang./<br>Cap. |

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

\* This Capacity Based On Maximum Obtainable Boom Angle.

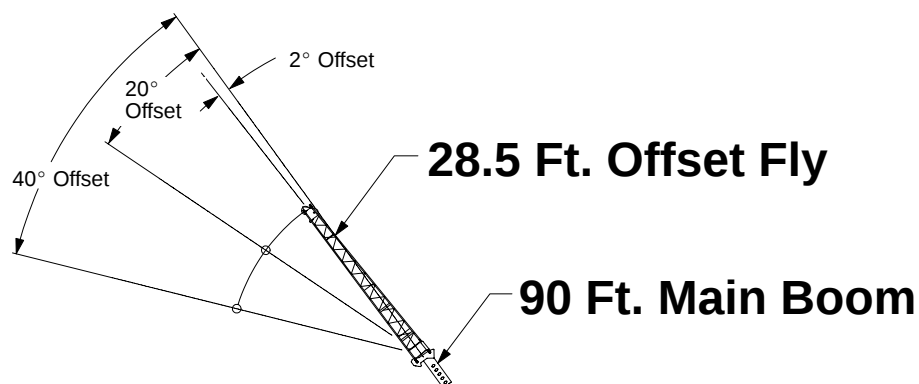
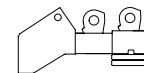
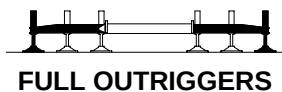
not for crane operations



| <div> <div>Rated Lifting Capacities<br/>In Pounds</div> <div>  <b>FULL OUTRIGGERS</b> </div> <div>  <b>11,500 # CTWT</b> </div> <div>  <b>MAIN BOOM<br/>"B"</b> </div> </div> |                |        |              |                |        |              |                |        |              |                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------|--------------|----------------|--------|--------------|----------------|--------|--------------|--------------------------|
| Load<br>Radius<br>(Ft.)                                                                                                                                                                                                                                                                                                                                                                                                              | 90 Ft.         |        |              | 100 Ft.        |        |              | 110 Ft.        |        |              | Load<br>Radius<br>(Ft.)  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      | $\angle^\circ$ | 360°   | Over<br>Rear | $\angle^\circ$ | 360°   | Over<br>Rear | $\angle^\circ$ | 360°   | Over<br>Rear |                          |
| 20                                                                                                                                                                                                                                                                                                                                                                                                                                   | 77.0           | 28,900 | 28,900       |                |        |              |                |        |              | 20                       |
| 25                                                                                                                                                                                                                                                                                                                                                                                                                                   | 74.0           | 28,300 | 28,300       | 76.0           | 24,000 | 24,000       | 77.5           | 19,500 | 19,500       | 25                       |
| 30                                                                                                                                                                                                                                                                                                                                                                                                                                   | 70.5           | 24,900 | 24,900       | 73.0           | 22,600 | 22,600       | 75.0           | 19,500 | 19,500       | 30                       |
| 35                                                                                                                                                                                                                                                                                                                                                                                                                                   | 67.0           | 22,100 | 22,100       | 70.0           | 20,100 | 20,100       | 72.5           | 18,500 | 18,500       | 35                       |
| 40                                                                                                                                                                                                                                                                                                                                                                                                                                   | 63.0           | 18,600 | 19,800       | 67.0           | 18,000 | 18,000       | 70.0           | 16,500 | 16,500       | 40                       |
| 45                                                                                                                                                                                                                                                                                                                                                                                                                                   | 59.0           | 15,000 | 17,900       | 63.5           | 15,100 | 16,200       | 67.0           | 14,700 | 14,700       | 45                       |
| 50                                                                                                                                                                                                                                                                                                                                                                                                                                   | 55.0           | 12,400 | 16,200       | 60.0           | 12,400 | 14,500       | 64.0           | 12,500 | 13,300       | 50                       |
| 55                                                                                                                                                                                                                                                                                                                                                                                                                                   | 51.0           | 10,400 | 13,800       | 56.5           | 10,400 | 13,200       | 60.5           | 10,500 | 12,100       | 55                       |
| 60                                                                                                                                                                                                                                                                                                                                                                                                                                   | 46.5           | 8,700  | 11,900       | 52.5           | 8,800  | 11,900       | 57.5           | 8,800  | 11,100       | 60                       |
| 65                                                                                                                                                                                                                                                                                                                                                                                                                                   | 41.5           | 7,400  | 10,300       | 48.5           | 7,400  | 10,300       | 54.0           | 7,500  | 10,100       | 65                       |
| 70                                                                                                                                                                                                                                                                                                                                                                                                                                   | 36.0           | 6,200  | 8,900        | 44.0           | 6,300  | 9,000        | 50.0           | 6,400  | 9,000        | 70                       |
| 75                                                                                                                                                                                                                                                                                                                                                                                                                                   | 29.5           | 5,200  | 7,700        | 39.5           | 5,300  | 7,800        | 46.5           | 5,400  | 7,900        | 75                       |
| 80                                                                                                                                                                                                                                                                                                                                                                                                                                   | 21.0           | 4,400  | 6,700        | 34.5           | 4,500  | 6,800        | 42.5           | 4,600  | 6,900        | 80                       |
| 85                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |        |              | 28.0           | 3,800  | 5,900        | 38.0           | 3,900  | 6,000        | 85                       |
| 90                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |        |              | 20.0           | 3,100  | 5,200        | 33.0           | 3,200  | 5,200        | 90                       |
| 95                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |        |              |                |        |              | 27.0           | 2,700  | 4,600        | 95                       |
| 100                                                                                                                                                                                                                                                                                                                                                                                                                                  |                |        |              |                |        |              | 19.5           | 2,200  | 4,000        | 100                      |
| Min.Bm.<br>Ang./<br>Cap.                                                                                                                                                                                                                                                                                                                                                                                                             | 0.0<br>(84.5)  | 2,500  | 2,500        | 0.0<br>(94.5)  | 1,600  | 1,600        | 0.0<br>(104.5) | 900    | 900          | Min.Bm.<br>Ang./<br>Cap. |

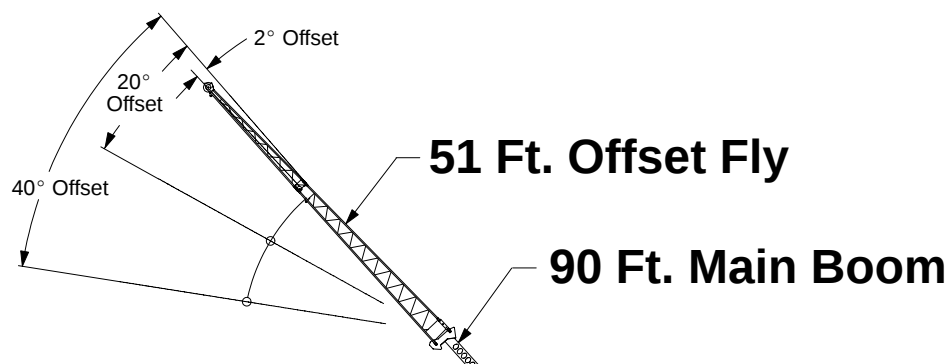
( ) Reference Radius For Min. Boom Angle Capacities (Shown In Parenthesis) Are In Feet.

not for crane operations


**Rated Lifting Capacities  
In Pounds**

**11,500 # CTWT**

| Load<br>Radius<br>(Ft.) | 2° Offset      |        | 20° Offset     |        | 40° Offset     |       | Load<br>Radius<br>(Ft.) |
|-------------------------|----------------|--------|----------------|--------|----------------|-------|-------------------------|
|                         | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°  |                         |
| 30                      | 77.0           | 16,900 |                |        |                |       | 30                      |
| 35                      | 74.5           | 14,200 |                |        |                |       | 35                      |
| 40                      | 72.0           | 13,500 | 75.5           | 10,600 |                |       | 40                      |
| 45                      | 69.5           | 12,800 | 73.0           | 10,100 | 76.5           | 7,900 | 45                      |
| 50                      | 67.0           | 12,100 | 70.5           | 9,700  | 73.5           | 7,700 | 50                      |
| 55                      | 64.0           | 11,400 | 68.0           | 9,200  | 71.0           | 7,400 | 55                      |
| 60                      | 61.0           | 9,700  | 65.0           | 8,800  | 68.0           | 7,200 | 60                      |
| 65                      | 58.0           | 8,300  | 62.0           | 8,400  | 65.0           | 7,000 | 65                      |
| 70                      | 55.0           | 7,200  | 59.0           | 7,700  | 62.0           | 6,900 | 70                      |
| 75                      | 51.5           | 6,200  | 55.5           | 6,600  | 58.5           | 6,800 | 75                      |
| 80                      | 48.0           | 5,300  | 52.0           | 5,700  | 54.5           | 6,000 | 80                      |
| 85                      | 44.0           | 4,600  | 48.0           | 4,900  | 50.5           | 5,200 | 85                      |
| 90                      | 40.0           | 4,000  | 44.0           | 4,300  | 46.0           | 4,400 | 90                      |
| 95                      | 35.5           | 3,400  | 39.0           | 3,600  | 40.5           | 3,700 | 95                      |
| 100                     | 30.5           | 2,900  | 34.0           | 3,100  |                |       | 100                     |
| 105                     | 24.5           | 2,500  | 27.5           | 2,600  |                |       | 105                     |
| 110                     | 16.0           | 2,100  |                |        |                |       | 110                     |
| Min.Bm.<br>Ang./Cap.    | 0.0            | 800    | 0.0            | 900    | 0.0            | 900   | Min.Bm.<br>Ang./Cap.    |

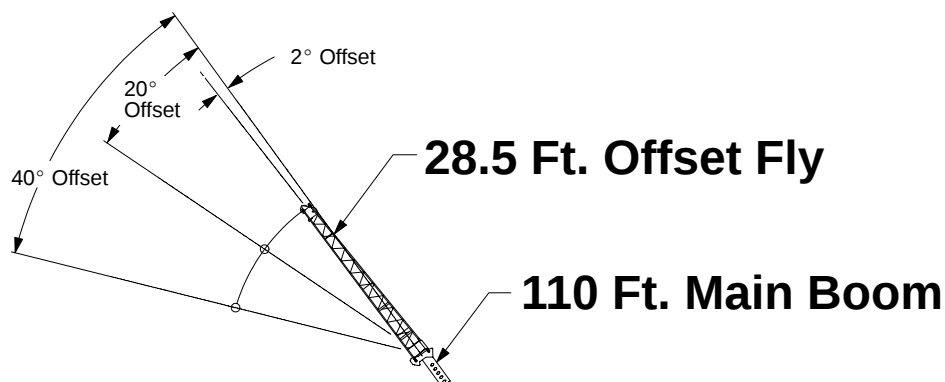
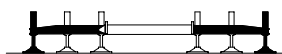
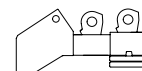
not for crane operations



| Rated Lifting Capacities<br>In Pounds |                |       |                |               |                |       |                         |
|---------------------------------------|----------------|-------|----------------|---------------|----------------|-------|-------------------------|
| FULL OUTRIGGERS                       |                |       |                | 11,500 # CTWT |                |       |                         |
| Load<br>Radius<br>(Ft.)               | 2° Offset      |       | 20° Offset     |               | 40° Offset     |       | Load<br>Radius<br>(Ft.) |
|                                       | $\angle^\circ$ | 360°  | $\angle^\circ$ | 360°          | $\angle^\circ$ | 360°  |                         |
| 35                                    | 78.0*          | 9,200 |                |               |                |       | 35                      |
| 40                                    | 76.0           | 8,600 |                |               |                |       | 40                      |
| 45                                    | 74.0           | 8,100 |                |               |                |       | 45                      |
| 50                                    | 72.0           | 7,600 | 78.0*          | 5,500         |                |       | 50                      |
| 55                                    | 70.0           | 7,000 | 75.5           | 5,200         |                |       | 55                      |
| 60                                    | 67.5           | 6,600 | 73.5           | 4,900         |                |       | 60                      |
| 65                                    | 65.5           | 6,100 | 71.0           | 4,700         | 77.0           | 3,700 | 65                      |
| 70                                    | 63.0           | 5,800 | 69.0           | 4,400         | 74.5           | 3,600 | 70                      |
| 75                                    | 61.0           | 5,400 | 66.5           | 4,200         | 72.0           | 3,500 | 75                      |
| 80                                    | 58.5           | 5,100 | 64.0           | 4,100         | 69.5           | 3,400 | 80                      |
| 85                                    | 56.0           | 4,800 | 61.5           | 3,900         | 66.5           | 3,300 | 85                      |
| 90                                    | 53.0           | 4,600 | 59.0           | 3,800         | 63.5           | 3,200 | 90                      |
| 95                                    | 50.0           | 4,000 | 56.0           | 3,600         | 60.5           | 3,200 | 95                      |
| 100                                   | 47.0           | 3,500 | 53.0           | 3,500         | 57.5           | 3,100 | 100                     |
| 105                                   | 44.0           | 3,000 | 50.0           | 3,400         | 54.0           | 3,100 | 105                     |
| 110                                   | 40.5           | 2,600 | 46.5           | 3,000         | 50.0           | 3,100 | 110                     |
| 115                                   | 36.5           | 2,200 | 42.5           | 2,600         | 45.5           | 2,700 | 115                     |
| 120                                   | 32.5           | 1,900 | 38.0           | 2,200         | 39.5           | 2,200 | 120                     |
| 125                                   | 27.5           | 1,600 | 32.5           | 1,800         |                |       | 125                     |
| 130                                   | 21.5           | 1,300 | 25.5           | 1,400         |                |       | 130                     |
| 135                                   | 11.5           | 1,100 |                |               |                |       | 135                     |
| Min.Bm.<br>Ang./Cap.                  | 0.0            | 100   | 0.0            | 200           | 0.0            | 300   | Min.Bm.<br>Ang./Cap.    |

\* This Capacity Based On Maximum Obtainable Boom Angle.

not for crane operations


**Rated Lifting Capacities  
In Pounds**

**FULL OUTRIGGERS**

**11,500 # CTWT**

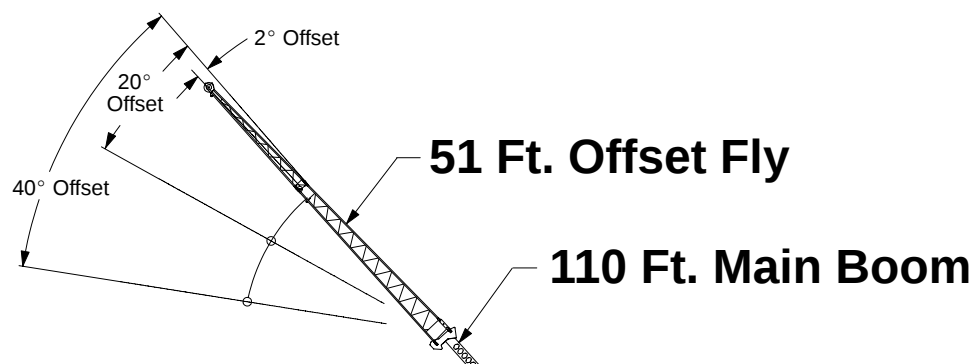
| Load<br>Radius<br>(Ft.) | 2° Offset      |       | 20° Offset     |       | 40° Offset     |       | Load<br>Radius<br>(Ft.) |
|-------------------------|----------------|-------|----------------|-------|----------------|-------|-------------------------|
|                         | $\angle^\circ$ | 360°  | $\angle^\circ$ | 360°  | $\angle^\circ$ | 360°  |                         |
| 35                      | 77.0           | 9,400 |                |       |                |       | 35                      |
| 40                      | 75.5           | 9,400 |                |       |                |       | 40                      |
| 45                      | 73.5           | 9,400 | 77.0           | 9,600 |                |       | 45                      |
| 50                      | 71.5           | 9,400 | 75.0           | 9,200 | 78.0*          | 7,600 | 50                      |
| 55                      | 69.5           | 9,300 | 73.0           | 8,600 | 75.5           | 7,400 | 55                      |
| 60                      | 67.5           | 8,600 | 70.5           | 8,000 | 73.5           | 7,200 | 60                      |
| 65                      | 65.0           | 8,000 | 68.5           | 7,400 | 71.0           | 7,000 | 65                      |
| 70                      | 62.5           | 7,000 | 66.0           | 7,000 | 68.5           | 6,600 | 70                      |
| 75                      | 59.5           | 6,000 | 63.5           | 6,500 | 66.0           | 6,200 | 75                      |
| 80                      | 57.0           | 5,200 | 60.5           | 5,600 | 63.5           | 5,900 | 80                      |
| 85                      | 54.0           | 4,400 | 57.5           | 4,800 | 60.5           | 5,200 | 85                      |
| 90                      | 51.0           | 3,800 | 54.5           | 4,200 | 57.0           | 4,400 | 90                      |
| 95                      | 48.0           | 3,200 | 51.5           | 3,600 | 53.5           | 3,800 | 95                      |
| 100                     | 45.0           | 2,700 | 48.0           | 3,000 | 50.0           | 3,200 | 100                     |
| 105                     | 41.5           | 2,300 | 44.5           | 2,500 | 46.5           | 2,700 | 105                     |
| 110                     | 37.5           | 1,900 | 40.5           | 2,100 | 42.0           | 2,200 | 110                     |
| 115                     | 33.5           | 1,500 | 36.5           | 1,700 |                |       | 115                     |
| 120                     | 29.0           | 1,200 | 31.5           | 1,300 |                |       | 120                     |

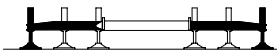
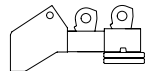

**WARNING**

Do Not Lower 28.5 Ft. Offset Fly In Working Position Below 27.0° Main Boom Angle Unless Main Boom Length Is 101 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

\*This Capacity Based On Maximum Obtainable Boom Angle.

not for crane operations



| Rated Lifting Capacities<br>In Pounds |                                                                                   |       | <br>FULL OUTRIGGERS |       | <br>11,500 # CTWT |       |                         |
|---------------------------------------|-----------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------|-------|-------------------------|
| Load<br>Radius<br>(Ft.)               | 2° Offset                                                                         |       | 20° Offset                                                                                           |       | 40° Offset                                                                                           |       | Load<br>Radius<br>(Ft.) |
|                                       |  | 360°  |                     | 360°  |                   | 360°  |                         |
| 45                                    | 77.0                                                                              | 6,200 |                                                                                                      |       |                                                                                                      |       | 45                      |
| 50                                    | 75.5                                                                              | 6,200 |                                                                                                      |       |                                                                                                      |       | 50                      |
| 55                                    | 74.0                                                                              | 6,200 |                                                                                                      |       |                                                                                                      |       | 55                      |
| 60                                    | 72.5                                                                              | 6,200 | 77.5                                                                                                 | 4,900 |                                                                                                      |       | 60                      |
| 65                                    | 70.5                                                                              | 6,100 | 75.5                                                                                                 | 4,700 |                                                                                                      |       | 65                      |
| 70                                    | 68.5                                                                              | 5,800 | 73.5                                                                                                 | 4,500 |                                                                                                      |       | 70                      |
| 75                                    | 66.5                                                                              | 5,400 | 71.5                                                                                                 | 4,300 | 76.5                                                                                                 | 3,500 | 75                      |
| 80                                    | 64.5                                                                              | 5,000 | 70.0                                                                                                 | 4,200 | 74.5                                                                                                 | 3,400 | 80                      |
| 85                                    | 62.5                                                                              | 4,700 | 68.0                                                                                                 | 4,000 | 72.5                                                                                                 | 3,300 | 85                      |
| 90                                    | 60.5                                                                              | 4,300 | 65.5                                                                                                 | 3,900 | 70.0                                                                                                 | 3,300 | 90                      |
| 95                                    | 58.0                                                                              | 3,700 | 63.5                                                                                                 | 3,700 | 68.0                                                                                                 | 3,200 | 95                      |
| 100                                   | 55.5                                                                              | 3,200 | 61.5                                                                                                 | 3,600 | 65.5                                                                                                 | 3,200 | 100                     |
| 105                                   | 53.0                                                                              | 2,700 | 59.0                                                                                                 | 3,300 | 63.0                                                                                                 | 3,100 | 105                     |
| 110                                   | 50.5                                                                              | 2,300 | 56.0                                                                                                 | 2,800 | 60.5                                                                                                 | 3,100 | 110                     |
| 115                                   | 47.5                                                                              | 2,000 | 53.0                                                                                                 | 2,400 | 57.5                                                                                                 | 2,700 | 115                     |
| 120                                   | 45.0                                                                              | 1,600 | 50.0                                                                                                 | 2,000 | 54.0                                                                                                 | 2,300 | 120                     |
| 125                                   | 42.0                                                                              | 1,300 | 47.0                                                                                                 | 1,700 | 50.5                                                                                                 | 1,900 | 125                     |
| 130                                   |                                                                                   |       | 43.5                                                                                                 | 1,300 | 46.5                                                                                                 | 1,500 | 130                     |
| 135                                   |                                                                                   |       |                                                                                                      |       | 42.0                                                                                                 | 1,100 | 135                     |



**WARNING**  
Do Not Lower 51 Ft. Offset Fly In Working Position Below 41.0° Main Boom Angle Unless Main Boom Length Is 90 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

not for crane operations

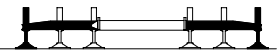
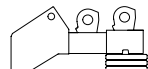
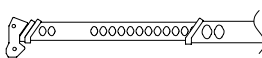


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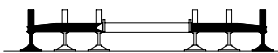
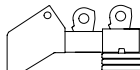
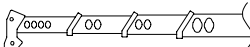
| Rated Lifting Capacities<br>In Pounds                                                                |                |         |              |                                                                                                     |        |                                                                                                         |                         |
|------------------------------------------------------------------------------------------------------|----------------|---------|--------------|-----------------------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------------------------|-------------------------|
| <br>FULL OUTRIGGERS |                |         |              | <br>15,100 # CTWT |        | <br>MAIN BOOM<br>"A" |                         |
| Load<br>Radius<br>(Ft.)                                                                              | 35.5 Ft.       |         |              | 40 Ft.                                                                                              |        |                                                                                                         | Load<br>Radius<br>(Ft.) |
|                                                                                                      | $\angle^\circ$ | 360°    | Over<br>Rear | $\angle^\circ$                                                                                      | 360°   | Over<br>Rear                                                                                            |                         |
| 10                                                                                                   | 68.0           | 100,000 | 100,000      | 70.5                                                                                                | 80,900 | 80,900                                                                                                  | 10                      |
| 12                                                                                                   | 64.5           | 76,000  | 76,000       | 67.5                                                                                                | 73,200 | 73,200                                                                                                  | 12                      |
| 15                                                                                                   | 58.5           | 65,800  | 65,800       | 62.5                                                                                                | 63,600 | 63,600                                                                                                  | 15                      |
| 20                                                                                                   | 48.0           | 53,400  | 53,400       | 54.0                                                                                                | 52,000 | 52,000                                                                                                  | 20                      |
| 25                                                                                                   | 34.5           | 41,900  | 41,900       | 44.0                                                                                                | 41,700 | 41,700                                                                                                  | 25                      |
| 30                                                                                                   |                |         |              | 31.0                                                                                                | 32,200 | 33,400                                                                                                  | 30                      |
| Min.Bm.<br>Ang./Cap.                                                                                 | 0.0<br>(30.0)  | 17,800  | 17,800       | 0.0<br>(34.5)                                                                                       | 15,400 | 15,400                                                                                                  | Min.Bm.<br>Ang./Cap.    |

| Load<br>Radius<br>(Ft.) | 50 Ft.         |        |              | 60.3 Ft.       |        |              | Load<br>Radius<br>(Ft.) |
|-------------------------|----------------|--------|--------------|----------------|--------|--------------|-------------------------|
|                         | $\angle^\circ$ | 360°   | Over<br>Rear | $\angle^\circ$ | 360°   | Over<br>Rear |                         |
| 10                      | 75.0           | 72,800 | 72,800       |                |        |              | 10                      |
| 12                      | 72.5           | 65,800 | 65,800       | 76.5           | 50,900 | 50,900       | 12                      |
| 15                      | 69.0           | 57,700 | 57,700       | 73.5           | 47,300 | 47,300       | 15                      |
| 20                      | 62.5           | 47,500 | 47,500       | 68.5           | 39,300 | 39,300       | 20                      |
| 25                      | 55.5           | 40,300 | 40,300       | 63.0           | 33,500 | 33,500       | 25                      |
| 30                      | 48.0           | 31,800 | 33,100       | 57.5           | 28,800 | 28,800       | 30                      |
| 35                      | 39.0           | 23,700 | 27,100       | 51.0           | 23,400 | 25,300       | 35                      |
| 40                      | 27.5           | 18,300 | 22,600       | 44.0           | 18,100 | 22,400       | 40                      |
| 45                      |                |        |              | 36.0           | 14,300 | 18,700       | 45                      |
| 50                      |                |        |              | 26.0           | 11,500 | 15,300       | 50                      |
| Min.Bm.<br>Ang./Cap.    | 0.0<br>(44.5)  | 10,100 | 10,100       | 0.0<br>(54.8)  | 6,600  | 6,600        | Min.Bm.<br>Ang./Cap.    |

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

not for crane operations



| Rated Lifting Capacities<br>In Pounds |                                                                                     |         |              | <br>FULL OUTRIGGERS |        |              | <br>15,100 # CTWT |        |              | <br>MAIN BOOM<br>“B” |  |
|---------------------------------------|-------------------------------------------------------------------------------------|---------|--------------|------------------------------------------------------------------------------------------------------|--------|--------------|-----------------------------------------------------------------------------------------------------|--------|--------------|---------------------------------------------------------------------------------------------------------|--|
| Load<br>Radius<br>(Ft.)               | 35.5 Ft.                                                                            |         |              | 40 Ft.                                                                                               |        |              | 50 Ft.                                                                                              |        |              | Load<br>Radius<br>(Ft.)                                                                                 |  |
|                                       |  ° | 360°    | Over<br>Rear |  °                  | 360°   | Over<br>Rear |  °                | 360°   | Over<br>Rear |                                                                                                         |  |
| 10                                    | 68.0                                                                                | 100,000 | 100,000      | 70.5                                                                                                 | 37,900 | 37,900       | 74.5                                                                                                | 37,900 | 37,900       | 10                                                                                                      |  |
| 12                                    | 64.5                                                                                | 76,000  | 76,000       | 67.5                                                                                                 | 37,900 | 37,900       | 72.5                                                                                                | 37,900 | 37,900       | 12                                                                                                      |  |
| 15                                    | 58.5                                                                                | 65,800  | 65,800       | 62.5                                                                                                 | 37,900 | 37,900       | 69.0                                                                                                | 37,900 | 37,900       | 15                                                                                                      |  |
| 20                                    | 48.0                                                                                | 53,400  | 53,400       | 54.0                                                                                                 | 37,900 | 37,900       | 62.5                                                                                                | 37,900 | 37,900       | 20                                                                                                      |  |
| 25                                    | 34.5                                                                                | 41,900  | 41,900       | 44.0                                                                                                 | 37,900 | 37,900       | 55.5                                                                                                | 37,900 | 37,900       | 25                                                                                                      |  |
| 30                                    |                                                                                     |         |              | 31.0                                                                                                 | 32,900 | 33,900       | 48.0                                                                                                | 33,600 | 34,500       | 30                                                                                                      |  |
| 35                                    |                                                                                     |         |              |                                                                                                      |        |              | 39.0                                                                                                | 25,400 | 28,500       | 35                                                                                                      |  |
| 40                                    |                                                                                     |         |              |                                                                                                      |        |              | 27.5                                                                                                | 19,900 | 24,000       | 40                                                                                                      |  |
| Min.Bm.<br>Ang./<br>Cap.              | 0.0<br>(30.0)                                                                       | 17,800  | 17,800       | 0.0<br>(34.5)                                                                                        | 14,700 | 14,700       | 0.0<br>(44.5)                                                                                       | 10,000 | 10,000       | Min.Bm.<br>Ang./<br>Cap.                                                                                |  |

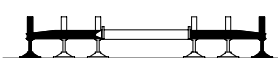
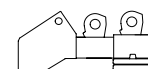
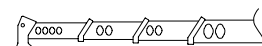
| Load<br>Radius<br>(Ft.)  | 60 Ft.         |        |              | 70 Ft.         |        |              | 80 Ft.         |        |              | Load<br>Radius<br>(Ft.)  |
|--------------------------|----------------|--------|--------------|----------------|--------|--------------|----------------|--------|--------------|--------------------------|
|                          | $\angle^\circ$ | 360°   | Over<br>Rear | $\angle^\circ$ | 360°   | Over<br>Rear | $\angle^\circ$ | 360°   | Over<br>Rear |                          |
| 10                       | 77.5           | 37,900 | 37,900       |                |        |              |                |        |              | 10                       |
| 12                       | 76.0           | 37,900 | 37,900       | 78.0*          | 37,900 | 37,900       |                |        |              | 12                       |
| 15                       | 73.0           | 37,900 | 37,900       | 76.0           | 37,900 | 37,900       | 78.0*          | 35,400 | 35,400       | 15                       |
| 20                       | 68.0           | 37,900 | 37,900       | 72.0           | 37,900 | 37,900       | 74.5           | 34,700 | 34,700       | 20                       |
| 25                       | 62.5           | 37,900 | 37,900       | 67.5           | 37,900 | 37,900       | 71.0           | 34,300 | 34,300       | 25                       |
| 30                       | 56.5           | 33,900 | 34,500       | 62.5           | 32,900 | 32,900       | 67.0           | 30,400 | 30,400       | 30                       |
| 35                       | 50.5           | 25,800 | 28,900       | 57.5           | 25,900 | 29,000       | 63.0           | 26,100 | 27,300       | 35                       |
| 40                       | 43.5           | 20,400 | 24,300       | 52.5           | 20,600 | 24,600       | 58.5           | 20,700 | 24,500       | 40                       |
| 45                       | 35.5           | 16,500 | 20,800       | 46.5           | 16,700 | 21,100       | 54.0           | 16,800 | 21,200       | 45                       |
| 50                       | 25.0           | 13,500 | 17,400       | 40.5           | 13,800 | 17,700       | 49.0           | 13,900 | 17,800       | 50                       |
| 55                       |                |        |              | 33.0           | 11,500 | 15,000       | 44.0           | 11,700 | 15,200       | 55                       |
| 60                       |                |        |              | 23.5           | 9,700  | 12,800       | 38.0           | 9,900  | 13,000       | 60                       |
| 65                       |                |        |              |                |        |              | 31.0           | 8,400  | 11,300       | 65                       |
| 70                       |                |        |              |                |        |              | 22.0           | 7,100  | 9,800        | 70                       |
| Min.Bm.<br>Ang./<br>Cap. | 0.0<br>(54.5)  | 7,100  | 7,100        | 0.0<br>(64.5)  | 5,000  | 5,000        | 0.0<br>(74.5)  | 3,600  | 3,600        | Min.Bm.<br>Ang./<br>Cap. |

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

\* This Capacity Based On Maximum Obtainable Boom Angle.

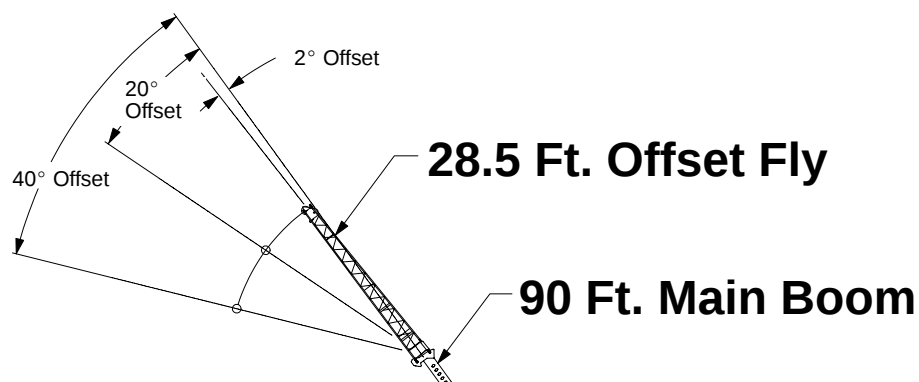
not for crane operations

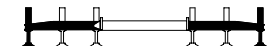
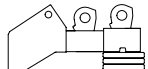


| Rated Lifting Capacities<br>In Pounds |                                                                                     |        |              | <br>FULL OUTRIGGERS |        |              | <br>15,100 # CTWT |        | <br>MAIN BOOM<br>"B" |                          |
|---------------------------------------|-------------------------------------------------------------------------------------|--------|--------------|------------------------------------------------------------------------------------------------------|--------|--------------|------------------------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------------------------|--------------------------|
| Load<br>Radius<br>(Ft.)               | 90 Ft.                                                                              |        |              | 100 Ft.                                                                                              |        |              | 110 Ft.                                                                                              |        |                                                                                                         | Load<br>Radius<br>(Ft.)  |
|                                       |  ° | 360°   | Over<br>Rear |  °                  | 360°   | Over<br>Rear |  °                | 360°   | Over<br>Rear                                                                                            |                          |
| 20                                    | 77.0                                                                                | 28,900 | 28,900       |                                                                                                      |        |              |                                                                                                      |        |                                                                                                         | 20                       |
| 25                                    | 74.0                                                                                | 28,300 | 28,300       | 76.0                                                                                                 | 24,000 | 24,000       | 77.5                                                                                                 | 19,500 | 19,500                                                                                                  | 25                       |
| 30                                    | 70.5                                                                                | 24,900 | 24,900       | 73.0                                                                                                 | 22,600 | 22,600       | 75.0                                                                                                 | 19,500 | 19,500                                                                                                  | 30                       |
| 35                                    | 67.0                                                                                | 22,100 | 22,100       | 70.0                                                                                                 | 20,100 | 20,100       | 72.5                                                                                                 | 18,500 | 18,500                                                                                                  | 35                       |
| 40                                    | 63.5                                                                                | 19,800 | 19,800       | 67.0                                                                                                 | 18,000 | 18,000       | 70.0                                                                                                 | 16,500 | 16,500                                                                                                  | 40                       |
| 45                                    | 59.5                                                                                | 16,900 | 17,900       | 63.5                                                                                                 | 16,200 | 16,200       | 67.0                                                                                                 | 14,700 | 14,700                                                                                                  | 45                       |
| 50                                    | 55.5                                                                                | 14,000 | 16,200       | 60.0                                                                                                 | 14,100 | 14,500       | 64.0                                                                                                 | 13,300 | 13,300                                                                                                  | 50                       |
| 55                                    | 51.0                                                                                | 11,800 | 14,700       | 56.5                                                                                                 | 11,800 | 13,200       | 61.0                                                                                                 | 11,900 | 12,100                                                                                                  | 55                       |
| 60                                    | 46.5                                                                                | 10,000 | 13,100       | 52.5                                                                                                 | 10,100 | 12,100       | 57.5                                                                                                 | 10,200 | 11,100                                                                                                  | 60                       |
| 65                                    | 41.5                                                                                | 8,600  | 11,400       | 48.5                                                                                                 | 8,600  | 11,200       | 54.0                                                                                                 | 8,700  | 10,100                                                                                                  | 65                       |
| 70                                    | 36.0                                                                                | 7,300  | 9,900        | 44.5                                                                                                 | 7,400  | 10,000       | 50.5                                                                                                 | 7,500  | 9,200                                                                                                   | 70                       |
| 75                                    | 29.5                                                                                | 6,200  | 8,700        | 39.5                                                                                                 | 6,300  | 8,800        | 46.5                                                                                                 | 6,400  | 8,400                                                                                                   | 75                       |
| 80                                    | 21.0                                                                                | 5,300  | 7,600        | 34.5                                                                                                 | 5,400  | 7,700        | 42.5                                                                                                 | 5,500  | 7,600                                                                                                   | 80                       |
| 85                                    |                                                                                     |        |              | 28.5                                                                                                 | 4,600  | 6,800        | 38.0                                                                                                 | 4,700  | 6,900                                                                                                   | 85                       |
| 90                                    |                                                                                     |        |              | 20.5                                                                                                 | 4,000  | 6,000        | 33.0                                                                                                 | 4,000  | 6,000                                                                                                   | 90                       |
| 95                                    |                                                                                     |        |              |                                                                                                      |        |              | 27.5                                                                                                 | 3,400  | 5,300                                                                                                   | 95                       |
| 100                                   |                                                                                     |        |              |                                                                                                      |        |              | 20.0                                                                                                 | 2,900  | 4,700                                                                                                   | 100                      |
| Min.Bm.<br>Ang./<br>Cap.              | 0.0<br>(84.5)                                                                       | 2,500  | 2,500        | 0.0<br>(94.5)                                                                                        | 1,600  | 1,600        | 0.0<br>(104.5)                                                                                       | 900    | 900                                                                                                     | Min.Bm.<br>Ang./<br>Cap. |

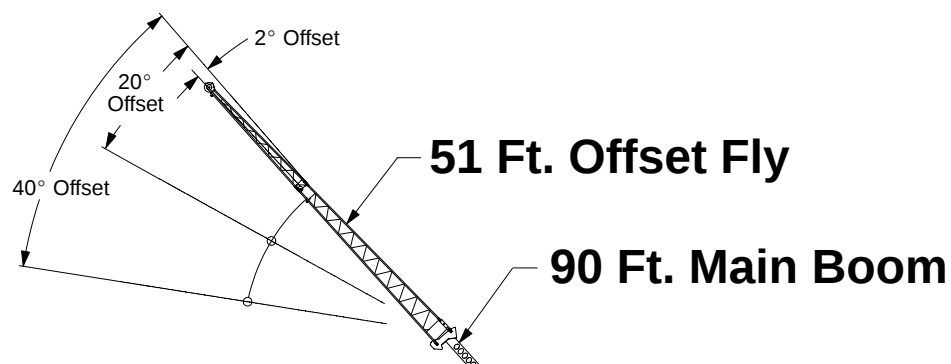
( ) Reference Radius For Min. Boom Angle Capacities (Shown In Parenthesis) Are In Feet.

not for crane operations



| Rated Lifting Capacities<br>In Pounds |                                                                                     |        | <br>FULL OUTRIGGERS |       | <br>15,100 # CTWT |       |                         |      |       |    |
|---------------------------------------|-------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------|-------|-------------------------|------|-------|----|
| Load<br>Radius<br>(Ft.)               | 2° Offset                                                                           |        | 20° Offset                                                                                           |       | 40° Offset                                                                                           |       | Load<br>Radius<br>(Ft.) |      |       |    |
|                                       |  ° | 360°   |  °                  | 360°  |  °                 | 360°  |                         |      |       |    |
| 30                                    | 77.0                                                                                | 16,900 |                                                                                                      |       |                                                                                                      |       | 30                      |      |       |    |
| 35                                    | 74.5                                                                                | 14,200 |                                                                                                      |       |                                                                                                      |       |                         | 35   |       |    |
| 40                                    | 72.0                                                                                | 13,500 |                                                                                                      | 75.5  |                                                                                                      |       | 10,600                  | 40   |       |    |
| 45                                    | 69.5                                                                                | 12,800 |                                                                                                      | 73.0  |                                                                                                      |       | 10,100                  | 76.5 | 7,900 | 45 |
| 50                                    | 67.0                                                                                | 12,100 |                                                                                                      | 70.5  |                                                                                                      |       | 9,700                   | 73.5 | 7,700 | 50 |
| 55                                    | 64.5                                                                                | 11,500 |                                                                                                      | 68.0  |                                                                                                      |       | 9,200                   | 71.0 | 7,400 | 55 |
| 60                                    | 61.5                                                                                | 10,700 |                                                                                                      | 65.0  |                                                                                                      |       | 8,800                   | 68.0 | 7,200 | 60 |
| 65                                    | 58.5                                                                                | 9,500  |                                                                                                      | 62.0  |                                                                                                      |       | 8,400                   | 65.0 | 7,000 | 65 |
| 70                                    | 55.0                                                                                | 8,300  |                                                                                                      | 59.0  |                                                                                                      |       | 8,000                   | 62.0 | 6,900 | 70 |
| 75                                    | 51.5                                                                                | 7,200  |                                                                                                      | 56.0  |                                                                                                      |       | 7,600                   | 58.5 | 6,800 | 75 |
| 80                                    | 48.0                                                                                | 6,300  | 52.0                                                                                                 | 6,700 | 55.0                                                                                                 | 6,700 | 80                      |      |       |    |
| 85                                    | 44.5                                                                                | 5,500  | 48.5                                                                                                 | 5,800 | 51.0                                                                                                 | 6,000 | 85                      |      |       |    |
| 90                                    | 40.5                                                                                | 4,800  | 44.0                                                                                                 | 5,100 | 46.0                                                                                                 | 5,200 | 90                      |      |       |    |
| 95                                    | 36.0                                                                                | 4,200  | 39.5                                                                                                 | 4,400 | 41.0                                                                                                 | 4,500 | 95                      |      |       |    |
| 100                                   | 31.0                                                                                | 3,600  | 34.5                                                                                                 | 3,800 |                                                                                                      |       | 100                     |      |       |    |
| 105                                   | 25.0                                                                                | 3,100  | 28.0                                                                                                 | 3,300 |                                                                                                      |       | 105                     |      |       |    |
| 110                                   | 16.5                                                                                | 2,700  |                                                                                                      |       |                                                                                                      |       | 110                     |      |       |    |
| Min.Bm.<br>Ang./Cap.                  | 0.0                                                                                 | 800    | 0.0                                                                                                  | 900   | 0.0                                                                                                  | 900   | Min.Bm.<br>Ang./Cap.    |      |       |    |

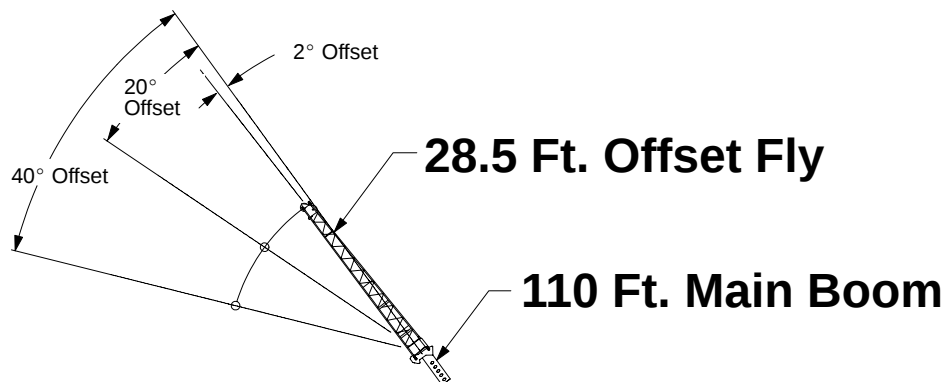
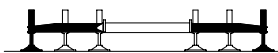
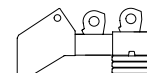
not for crane operations



| Rated Lifting Capacities<br>In Pounds |                                                                                   |       |                                                                                   |               |                                                                                     |       |                         |
|---------------------------------------|-----------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------|---------------|-------------------------------------------------------------------------------------|-------|-------------------------|
| FULL OUTRIGGERS                       |                                                                                   |       |                                                                                   | 15,100 # CTWT |                                                                                     |       |                         |
| Load<br>Radius<br>(Ft.)               | 2° Offset                                                                         |       | 20° Offset                                                                        |               | 40° Offset                                                                          |       | Load<br>Radius<br>(Ft.) |
|                                       |  | 360°  |  | 360°          |  | 360°  |                         |
| 35                                    | 78.0*                                                                             | 9,200 |                                                                                   |               |                                                                                     |       | 35                      |
| 40                                    | 76.0                                                                              | 8,600 |                                                                                   |               |                                                                                     |       | 40                      |
| 45                                    | 74.0                                                                              | 8,100 |                                                                                   |               |                                                                                     |       | 45                      |
| 50                                    | 72.0                                                                              | 7,600 | 78.0*                                                                             | 5,500         |                                                                                     |       | 50                      |
| 55                                    | 70.0                                                                              | 7,000 | 75.5                                                                              | 5,200         |                                                                                     |       | 55                      |
| 60                                    | 67.5                                                                              | 6,600 | 73.5                                                                              | 4,900         |                                                                                     |       | 60                      |
| 65                                    | 65.5                                                                              | 6,100 | 71.0                                                                              | 4,700         | 77.0                                                                                | 3,700 | 65                      |
| 70                                    | 63.0                                                                              | 5,800 | 69.0                                                                              | 4,400         | 74.5                                                                                | 3,600 | 70                      |
| 75                                    | 61.0                                                                              | 5,400 | 66.5                                                                              | 4,200         | 72.0                                                                                | 3,500 | 75                      |
| 80                                    | 58.5                                                                              | 5,100 | 64.0                                                                              | 4,100         | 69.5                                                                                | 3,400 | 80                      |
| 85                                    | 56.0                                                                              | 4,800 | 61.5                                                                              | 3,900         | 66.5                                                                                | 3,300 | 85                      |
| 90                                    | 53.0                                                                              | 4,600 | 59.0                                                                              | 3,800         | 63.5                                                                                | 3,200 | 90                      |
| 95                                    | 50.5                                                                              | 4,300 | 56.0                                                                              | 3,600         | 60.5                                                                                | 3,200 | 95                      |
| 100                                   | 47.5                                                                              | 4,100 | 53.0                                                                              | 3,500         | 57.5                                                                                | 3,100 | 100                     |
| 105                                   | 44.5                                                                              | 3,700 | 50.0                                                                              | 3,400         | 54.0                                                                                | 3,100 | 105                     |
| 110                                   | 41.0                                                                              | 3,300 | 46.5                                                                              | 3,300         | 50.0                                                                                | 3,100 | 110                     |
| 115                                   | 37.0                                                                              | 2,900 | 43.0                                                                              | 3,200         | 45.5                                                                                | 3,100 | 115                     |
| 120                                   | 33.0                                                                              | 2,500 | 38.5                                                                              | 2,800         | 40.0                                                                                | 2,800 | 120                     |
| 125                                   | 28.0                                                                              | 2,200 | 33.0                                                                              | 2,400         |                                                                                     |       | 125                     |
| 130                                   | 22.0                                                                              | 1,900 | 26.0                                                                              | 2,000         |                                                                                     |       | 130                     |
| 135                                   | 11.0                                                                              | 1,300 |                                                                                   |               |                                                                                     |       | 135                     |
| Min.Bm.<br>Ang./Cap.                  | 0.0                                                                               | 100   | 0.0                                                                               | 200           | 0.0                                                                                 | 300   | Min.Bm.<br>Ang./Cap.    |

\* This Capacity Based On Maximum Obtainable Boom Angle.

not for crane operations


**Rated Lifting Capacities  
In Pounds**

**FULL OUTRIGGERS**

**15,100 # CTWT**

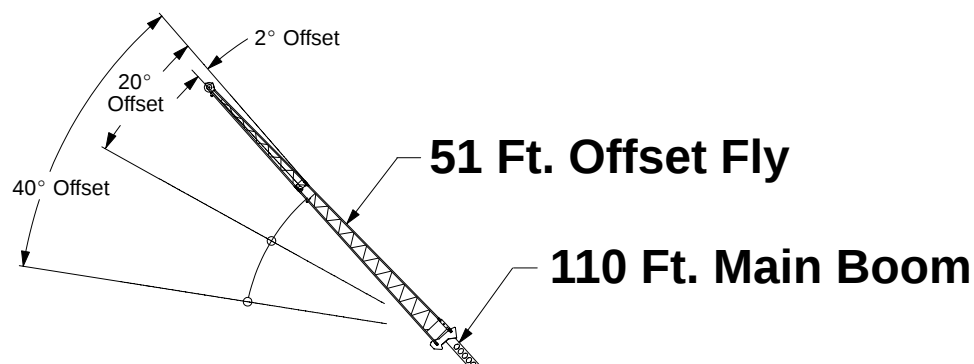
| Load<br>Radius<br>(Ft.) | 2° Offset      |       | 20° Offset     |       | 40° Offset     |       | Load<br>Radius<br>(Ft.) |
|-------------------------|----------------|-------|----------------|-------|----------------|-------|-------------------------|
|                         | $\angle^\circ$ | 360°  | $\angle^\circ$ | 360°  | $\angle^\circ$ | 360°  |                         |
| 35                      | 77.0           | 9,400 |                |       |                |       | 35                      |
| 40                      | 75.5           | 9,400 |                |       |                |       | 40                      |
| 45                      | 73.5           | 9,400 | 77.0           | 9,600 |                |       | 45                      |
| 50                      | 71.5           | 9,400 | 75.0           | 9,200 | 78.0*          | 7,600 | 50                      |
| 55                      | 69.5           | 9,300 | 73.0           | 8,600 | 75.5           | 7,400 | 55                      |
| 60                      | 67.5           | 8,600 | 70.5           | 8,000 | 73.5           | 7,200 | 60                      |
| 65                      | 65.0           | 8,000 | 68.5           | 7,400 | 71.0           | 7,000 | 65                      |
| 70                      | 62.5           | 7,500 | 66.0           | 7,000 | 68.5           | 6,600 | 70                      |
| 75                      | 60.0           | 7,000 | 63.5           | 6,500 | 66.0           | 6,200 | 75                      |
| 80                      | 57.5           | 6,100 | 61.0           | 6,200 | 63.5           | 5,900 | 80                      |
| 85                      | 54.5           | 5,300 | 58.0           | 5,700 | 60.5           | 5,600 | 85                      |
| 90                      | 51.5           | 4,600 | 55.0           | 5,000 | 57.5           | 5,200 | 90                      |
| 95                      | 48.5           | 4,000 | 52.0           | 4,300 | 54.0           | 4,500 | 95                      |
| 100                     | 45.0           | 3,500 | 48.5           | 3,700 | 50.5           | 3,900 | 100                     |
| 105                     | 42.0           | 3,000 | 45.0           | 3,200 | 46.5           | 3,400 | 105                     |
| 110                     | 38.0           | 2,500 | 41.0           | 2,700 | 42.5           | 2,800 | 110                     |
| 115                     | 34.0           | 2,200 | 37.0           | 2,300 |                |       | 115                     |
| 120                     | 29.5           | 1,800 | 32.0           | 1,900 |                |       | 120                     |
| 125                     | 24.0           | 1,500 | 26.0           | 1,500 |                |       | 125                     |
| 130                     | 16.0           | 1,200 |                |       |                |       | 130                     |

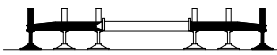
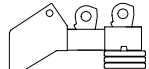

**WARNING**

Do Not Lower 28.5 Ft. Offset Fly In Working Position Below 11.5° Main Boom Angle Unless Main Boom Length Is 109 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

\*This Capacity Based On Maximum Obtainable Boom Angle.

not for crane operations



| Rated Lifting Capacities<br>In Pounds |                                                                                     |       | <br>FULL OUTRIGGERS |       | <br>15,100 # CTWT |       |                         |
|---------------------------------------|-------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------|-------|-------------------------|
| Load<br>Radius<br>(Ft.)               | 2° Offset                                                                           |       | 20° Offset                                                                                           |       | 40° Offset                                                                                           |       | Load<br>Radius<br>(Ft.) |
|                                       |  ° | 360°  |  °                  | 360°  |  °                | 360°  |                         |
| 45                                    | 77.0                                                                                | 6,200 |                                                                                                      |       |                                                                                                      |       | 45                      |
| 50                                    | 75.5                                                                                | 6,200 |                                                                                                      |       |                                                                                                      |       | 50                      |
| 55                                    | 74.0                                                                                | 6,200 |                                                                                                      |       |                                                                                                      |       | 55                      |
| 60                                    | 72.5                                                                                | 6,200 | 77.5                                                                                                 | 4,900 |                                                                                                      |       | 60                      |
| 65                                    | 70.5                                                                                | 6,100 | 75.5                                                                                                 | 4,700 |                                                                                                      |       | 65                      |
| 70                                    | 68.5                                                                                | 5,800 | 73.5                                                                                                 | 4,500 |                                                                                                      |       | 70                      |
| 75                                    | 66.5                                                                                | 5,400 | 71.5                                                                                                 | 4,300 | 76.5                                                                                                 | 3,500 | 75                      |
| 80                                    | 64.5                                                                                | 5,000 | 70.0                                                                                                 | 4,200 | 74.5                                                                                                 | 3,400 | 80                      |
| 85                                    | 62.5                                                                                | 4,700 | 68.0                                                                                                 | 4,000 | 72.5                                                                                                 | 3,300 | 85                      |
| 90                                    | 60.5                                                                                | 4,400 | 65.5                                                                                                 | 3,900 | 70.0                                                                                                 | 3,300 | 90                      |
| 95                                    | 58.5                                                                                | 4,100 | 63.5                                                                                                 | 3,700 | 68.0                                                                                                 | 3,200 | 95                      |
| 100                                   | 56.0                                                                                | 3,900 | 61.5                                                                                                 | 3,600 | 65.5                                                                                                 | 3,200 | 100                     |
| 105                                   | 53.5                                                                                | 3,400 | 59.0                                                                                                 | 3,400 | 63.0                                                                                                 | 3,100 | 105                     |
| 110                                   | 51.0                                                                                | 3,000 | 56.5                                                                                                 | 3,300 | 60.5                                                                                                 | 3,100 | 110                     |
| 115                                   | 48.0                                                                                | 2,600 | 54.0                                                                                                 | 3,000 | 57.5                                                                                                 | 3,000 | 115                     |
| 120                                   | 45.5                                                                                | 2,200 | 50.5                                                                                                 | 2,600 | 54.5                                                                                                 | 2,800 | 120                     |
| 125                                   | 42.5                                                                                | 1,900 | 47.5                                                                                                 | 2,200 | 51.0                                                                                                 | 2,400 | 125                     |
| 130                                   | 39.0                                                                                | 1,600 | 44.0                                                                                                 | 1,900 | 47.0                                                                                                 | 2,000 | 130                     |
| 135                                   | 35.5                                                                                | 1,300 | 40.5                                                                                                 | 1,600 | 42.5                                                                                                 | 1,700 | 135                     |
| 140                                   |                                                                                     |       | 36.5                                                                                                 | 1,300 |                                                                                                      |       | 140                     |

**WARNING**  
Do Not Lower 51 Ft. Offset Fly In Working Position Below 34.0° Main Boom Angle Unless Main Boom Length Is 98 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

not for crane operations



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| Rated Lifting Capacities<br>In Pounds |                |        |                |        |                         |
|---------------------------------------|----------------|--------|----------------|--------|-------------------------|
| INTERMEDIATE OUTRIGGERS               |                |        | 4,300# CTWT    |        | MAIN BOOM<br>"A"        |
| Load<br>Radius<br>(Ft.)               | 35.5 Ft.       |        | 40 Ft.         |        | Load<br>Radius<br>(Ft.) |
|                                       | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   |                         |
| 10                                    | 68.0           | 84,100 | 70.5           | 80,900 | 10                      |
| 12                                    | 64.5           | 76,000 | 67.5           | 73,200 | 12                      |
| 15                                    | 58.5           | 45,400 | 62.5           | 44,900 | 15                      |
| 20                                    | 48.0           | 24,800 | 54.0           | 24,600 | 20                      |
| 25                                    | 34.5           | 15,600 | 43.5           | 15,400 | 25                      |
| 30                                    |                |        | 31.0           | 10,200 | 30                      |
| Min.Bm.<br>Ang./Cap.                  | 0.0<br>(30.0)  | 10,200 | 0.0<br>(34.5)  | 7,000  | Min.Bm.<br>Ang./Cap.    |

| Load<br>Radius<br>(Ft.) | 50 Ft.         |        | 60.3 Ft.       |        | Load<br>Radius<br>(Ft.) |
|-------------------------|----------------|--------|----------------|--------|-------------------------|
|                         | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   |                         |
| 10                      | 75.0           | 72,800 |                |        | 10                      |
| 12                      | 72.5           | 65,800 | 76.5           | 50,900 | 12                      |
| 15                      | 69.0           | 44,000 | 73.5           | 43,300 | 15                      |
| 20                      | 62.0           | 24,000 | 68.0           | 23,500 | 20                      |
| 25                      | 55.5           | 15,100 | 62.5           | 14,700 | 25                      |
| 30                      | 47.5           | 10,000 | 56.5           | 9,700  | 30                      |
| 35                      | 38.5           | 6,600  | 50.5           | 6,400  | 35                      |
| 40                      | 27.5           | 4,300  | 43.5           | 4,100  | 40                      |
| 45                      |                |        | 35.5           | 2,400  | 45                      |
| Min.Bm.<br>Ang./Cap.    | 0.0<br>(44.5)  | 2,600  | 30.5<br>(47.8) |        | Min.Bm.<br>Ang./Cap.    |

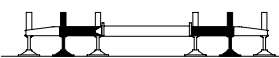
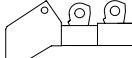
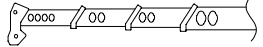
**WARNING**

Do Not Lower The Boom Below The Minimum Boom Angle For The Boom Lengths Shown, Since Loss Of Stability Will Occur Causing A Tipping Condition.

( ) Reference Radius for Min. Boom Angle Capacities (Shown In Parenthesis) Are In Feet.

not for crane operations



| Rated Lifting Capacities<br>In Pounds |                                                                                     |  INTERMEDIATE OUTRIGGERS |                                                                                     |  4,300# CTWT |                                                                                      |  MAIN BOOM<br>"B" |                         |
|---------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-------------------------|
| Load<br>Radius<br>(Ft.)               | 35.5 Ft.                                                                            |                                                                                                           | 40 Ft.                                                                              |                                                                                                | 50 Ft.                                                                               |                                                                                                      | Load<br>Radius<br>(Ft.) |
|                                       |  ° | 360°                                                                                                      |  ° | 360°                                                                                           |  ° | 360°                                                                                                 |                         |
| 10                                    | 68.0                                                                                | 84,100                                                                                                    | 70.5                                                                                | 37,900                                                                                         | 74.5                                                                                 | 37,900                                                                                               | 10                      |
| 12                                    | 64.5                                                                                | 76,000                                                                                                    | 67.5                                                                                | 37,900                                                                                         | 72.5                                                                                 | 37,900                                                                                               | 12                      |
| 15                                    | 58.5                                                                                | 45,400                                                                                                    | 62.5                                                                                | 37,900                                                                                         | 68.5                                                                                 | 37,900                                                                                               | 15                      |
| 20                                    | 48.0                                                                                | 24,800                                                                                                    | 53.5                                                                                | 25,400                                                                                         | 62.0                                                                                 | 25,900                                                                                               | 20                      |
| 25                                    | 34.5                                                                                | 15,600                                                                                                    | 43.5                                                                                | 16,100                                                                                         | 55.0                                                                                 | 16,800                                                                                               | 25                      |
| 30                                    |                                                                                     |                                                                                                           | 31.0                                                                                | 10,800                                                                                         | 47.5                                                                                 | 11,500                                                                                               | 30                      |
| 35                                    |                                                                                     |                                                                                                           |                                                                                     |                                                                                                | 38.5                                                                                 | 8,100                                                                                                | 35                      |
| 40                                    |                                                                                     |                                                                                                           |                                                                                     |                                                                                                | 27.5                                                                                 | 5,700                                                                                                | 40                      |
| Min.Bm.<br>Ang./Cap.                  | 0.0<br>(30.0)                                                                       | 10,200                                                                                                    | 0.0<br>(34.5)                                                                       | 7,600                                                                                          | 0.0<br>(44.5)                                                                        | 4,100                                                                                                | Min.Bm.<br>Ang./Cap.    |

| Load<br>Radius<br>(Ft.) | 60 Ft.                                                                                |        | 70 Ft.                                                                                |        | 80 Ft.                                                                                 |        | Load<br>Radius<br>(Ft.) |
|-------------------------|---------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------|--------|----------------------------------------------------------------------------------------|--------|-------------------------|
|                         |  ° | 360°   |  ° | 360°   |  ° | 360°   |                         |
| 10                      | 77.5                                                                                  | 37,900 |                                                                                       | 37,900 |                                                                                        |        | 10                      |
| 12                      | 76.0                                                                                  | 37,900 | 78.0*                                                                                 | 37,900 |                                                                                        |        | 12                      |
| 15                      | 73.0                                                                                  | 37,900 | 76.0                                                                                  | 37,900 | 78.0*                                                                                  | 35,400 | 15                      |
| 20                      | 67.5                                                                                  | 26,200 | 71.0                                                                                  | 26,400 | 74.0                                                                                   | 26,500 | 20                      |
| 25                      | 62.0                                                                                  | 17,100 | 66.5                                                                                  | 17,300 | 70.0                                                                                   | 17,400 | 25                      |
| 30                      | 56.0                                                                                  | 11,900 | 62.0                                                                                  | 12,100 | 66.0                                                                                   | 12,200 | 30                      |
| 35                      | 50.0                                                                                  | 8,600  | 57.0                                                                                  | 8,800  | 62.0                                                                                   | 9,000  | 35                      |
| 40                      | 43.0                                                                                  | 6,200  | 51.5                                                                                  | 6,400  | 57.5                                                                                   | 6,600  | 40                      |
| 45                      | 35.0                                                                                  | 4,400  | 46.0                                                                                  | 4,700  | 53.0                                                                                   | 4,900  | 45                      |
| 50                      | 24.5                                                                                  | 3,000  | 39.5                                                                                  | 3,300  | 48.0                                                                                   | 3,500  | 50                      |
| 55                      |                                                                                       |        | 32.5                                                                                  | 2,300  | 43.0                                                                                   | 2,400  | 55                      |
| 60                      |                                                                                       |        |                                                                                       |        | 37.0                                                                                   | 1,600  | 60                      |
| Min.Bm.<br>Ang./Cap.    | 0.0<br>(54.5)                                                                         | 2,000  | 22.5<br>(60.2)                                                                        |        | 35.0<br>(61.7)                                                                         |        | Min.Bm.<br>Ang./Cap.    |

**WARNING**

Do Not Lower The Boom Below The Minimum Boom Angle For The Boom Lengths Shown, Since Loss Of Stability Will Occur Causing A Tipping Condition.

( ) Reference Radius for Min. Boom Angle Capacities (Shown In Parenthesis) Are In Feet.

\*This Capacity Based On Maximum Obtainable Boom Angle.

not for crane operations



| Rated Lifting Capacities<br>In Pounds                                                                                                                                                                                                                |                |        |                |                  |                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------|----------------|------------------|-------------------------|
| INTERMEDIATE OUTRIGGERS                                                                                                                                                                                                                              |                |        | 4,300# CTWT    | MAIN BOOM<br>"B" |                         |
| Load<br>Radius<br>(Ft.)                                                                                                                                                                                                                              | 90 Ft.         |        | 100 Ft.        |                  | Load<br>Radius<br>(Ft.) |
|                                                                                                                                                                                                                                                      | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°             |                         |
| 20                                                                                                                                                                                                                                                   | 76.5           | 26,600 |                |                  | 20                      |
| 25                                                                                                                                                                                                                                                   | 73.0           | 17,500 | 75.5           | 17,600           | 25                      |
| 30                                                                                                                                                                                                                                                   | 69.5           | 12,300 | 72.0           | 12,400           | 30                      |
| 35                                                                                                                                                                                                                                                   | 65.5           | 9,100  | 68.5           | 9,100            | 35                      |
| 40                                                                                                                                                                                                                                                   | 62.0           | 6,700  | 65.5           | 6,800            | 40                      |
| 45                                                                                                                                                                                                                                                   | 58.0           | 5,000  | 62.0           | 5,100            | 45                      |
| 50                                                                                                                                                                                                                                                   | 54.0           | 3,700  | 58.5           | 3,800            | 50                      |
| 55                                                                                                                                                                                                                                                   | 50.0           | 2,600  | 55.0           | 2,700            | 55                      |
| 60                                                                                                                                                                                                                                                   | 45.5           | 1,700  | 51.0           | 1,800            | 60                      |
| Min.Bm.<br>Ang./Cap.                                                                                                                                                                                                                                 | 42.5<br>(62.8) |        | 48.0<br>(63.7) |                  | Min.Bm.<br>Ang./Cap.    |
|  <b>WARNING</b><br>Do Not Lower The Boom Below The Minimum Boom Angle For The Boom Lengths Shown, Since Loss Of Stability Will Occur Causing A Tipping Condition. |                |        |                |                  |                         |

( ) Reference Radius for Min. Boom Angle Capacities (Shown In Parenthesis) Are In Feet.



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| Rated Lifting Capacities<br>In Pounds |                |        |                |        |                         |
|---------------------------------------|----------------|--------|----------------|--------|-------------------------|
| INTERMEDIATE OUTRIGGERS               |                |        | 7,900# CTWT    |        | MAIN BOOM<br>"A"        |
| Load<br>Radius<br>(Ft.)               | 35.5 Ft.       |        | 40 Ft.         |        | Load<br>Radius<br>(Ft.) |
|                                       | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   |                         |
| 10                                    | 68.0           | 84,100 | 70.5           | 80,900 | 10                      |
| 12                                    | 64.5           | 76,000 | 67.5           | 73,200 | 12                      |
| 15                                    | 58.5           | 52,000 | 62.5           | 51,400 | 15                      |
| 20                                    | 48.0           | 28,900 | 54.0           | 28,600 | 20                      |
| 25                                    | 34.5           | 18,500 | 43.5           | 18,300 | 25                      |
| 30                                    |                |        | 31.0           | 12,500 | 30                      |
| Min.Bm.<br>Ang./Cap.                  | 0.0<br>(30.0)  | 12,500 | 0.0<br>(34.5)  | 8,900  | Min.Bm.<br>Ang./Cap.    |

| Load<br>Radius<br>(Ft.) | 50 Ft.         |        | 60.3 Ft.       |        | Load<br>Radius<br>(Ft.) |
|-------------------------|----------------|--------|----------------|--------|-------------------------|
|                         | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   |                         |
| 10                      | 75.0           | 72,800 |                |        | 10                      |
| 12                      | 72.5           | 65,800 | 76.5           | 50,900 | 12                      |
| 15                      | 69.0           | 50,500 | 73.5           | 47,300 | 15                      |
| 20                      | 62.5           | 28,000 | 68.0           | 27,500 | 20                      |
| 25                      | 55.5           | 18,000 | 62.5           | 17,600 | 25                      |
| 30                      | 47.5           | 12,200 | 56.5           | 12,000 | 30                      |
| 35                      | 38.5           | 8,500  | 50.5           | 8,300  | 35                      |
| 40                      | 27.5           | 5,900  | 43.5           | 5,700  | 40                      |
| 45                      |                |        | 35.5           | 3,800  | 45                      |
| 50                      |                |        | 25.5           | 2,300  | 50                      |
| Min.Bm.<br>Ang./Cap.    | 0.0<br>(44.5)  | 4,000  | 15.0<br>(53.4) |        | Min.Bm.<br>Ang./Cap.    |

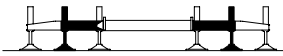
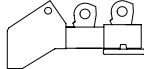
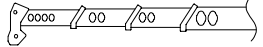
**WARNING**

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not for crane operations



| Rated Lifting Capacities<br>In Pounds |                                                                                     |  INTERMEDIATE OUTRIGGERS |                                                                                     |  7,900# CTWT |                                                                                      |  MAIN BOOM<br>"B" |                         |
|---------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-------------------------|
| Load<br>Radius<br>(Ft.)               | 35.5 Ft.                                                                            |                                                                                                           | 40 Ft.                                                                              |                                                                                                | 50 Ft.                                                                               |                                                                                                      | Load<br>Radius<br>(Ft.) |
|                                       |  ° | 360°                                                                                                      |  ° | 360°                                                                                           |  ° | 360°                                                                                                 |                         |
| 10                                    | 68.0                                                                                | 84,100                                                                                                    | 70.5                                                                                | 37,900                                                                                         | 74.5                                                                                 | 37,900                                                                                               | 10                      |
| 12                                    | 64.5                                                                                | 76,000                                                                                                    | 67.5                                                                                | 37,900                                                                                         | 72.5                                                                                 | 37,900                                                                                               | 12                      |
| 15                                    | 58.5                                                                                | 52,000                                                                                                    | 62.5                                                                                | 37,900                                                                                         | 69.0                                                                                 | 37,900                                                                                               | 15                      |
| 20                                    | 48.0                                                                                | 28,900                                                                                                    | 54.0                                                                                | 29,400                                                                                         | 62.0                                                                                 | 29,900                                                                                               | 20                      |
| 25                                    | 34.5                                                                                | 18,500                                                                                                    | 43.5                                                                                | 19,000                                                                                         | 55.0                                                                                 | 19,700                                                                                               | 25                      |
| 30                                    |                                                                                     |                                                                                                           | 31.0                                                                                | 13,100                                                                                         | 47.5                                                                                 | 13,800                                                                                               | 30                      |
| 35                                    |                                                                                     |                                                                                                           |                                                                                     |                                                                                                | 38.5                                                                                 | 10,000                                                                                               | 35                      |
| 40                                    |                                                                                     |                                                                                                           |                                                                                     |                                                                                                | 27.5                                                                                 | 7,300                                                                                                | 40                      |
| Min.Bm.<br>Ang./Cap.                  | 0.0<br>(30.0)                                                                       | 12,500                                                                                                    | 0.0<br>(34.5)                                                                       | 9,500                                                                                          | 0.0<br>(44.5)                                                                        | 5,500                                                                                                | Min.Bm.<br>Ang./Cap.    |

| Load<br>Radius<br>(Ft.) | 60 Ft.                                                                                |        | 70 Ft.                                                                                |        | 80 Ft.                                                                                 |        | Load<br>Radius<br>(Ft.) |
|-------------------------|---------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------|--------|----------------------------------------------------------------------------------------|--------|-------------------------|
|                         |  ° | 360°   |  ° | 360°   |  ° | 360°   |                         |
| 10                      | 77.5                                                                                  | 37,900 |                                                                                       | 37,900 |                                                                                        |        | 10                      |
| 12                      | 76.0                                                                                  | 37,900 | 78.0*                                                                                 | 37,900 |                                                                                        |        | 12                      |
| 15                      | 73.0                                                                                  | 37,900 | 76.0                                                                                  | 37,900 | 78.0*                                                                                  | 35,400 | 15                      |
| 20                      | 67.5                                                                                  | 30,200 | 71.5                                                                                  | 30,400 | 74.5                                                                                   | 30,600 | 20                      |
| 25                      | 62.0                                                                                  | 20,000 | 66.5                                                                                  | 20,200 | 70.5                                                                                   | 20,300 | 25                      |
| 30                      | 56.0                                                                                  | 14,200 | 62.0                                                                                  | 14,400 | 66.0                                                                                   | 14,500 | 30                      |
| 35                      | 50.0                                                                                  | 10,400 | 57.0                                                                                  | 10,700 | 62.0                                                                                   | 10,800 | 35                      |
| 40                      | 43.0                                                                                  | 7,800  | 52.0                                                                                  | 8,000  | 57.5                                                                                   | 8,200  | 40                      |
| 45                      | 35.0                                                                                  | 5,800  | 46.0                                                                                  | 6,100  | 53.0                                                                                   | 6,300  | 45                      |
| 50                      | 25.0                                                                                  | 4,300  | 40.0                                                                                  | 4,500  | 48.5                                                                                   | 4,700  | 50                      |
| 55                      |                                                                                       |        | 32.5                                                                                  | 3,300  | 43.0                                                                                   | 3,500  | 55                      |
| 60                      |                                                                                       |        | 23.0                                                                                  | 2,400  | 37.0                                                                                   | 2,600  | 60                      |
| 65                      |                                                                                       |        |                                                                                       |        | 30.5                                                                                   | 1,800  | 65                      |
| Min.Bm.<br>Ang./Cap.    | 0.0<br>(54.5)                                                                         | 3,100  | 0.0<br>(64.5)                                                                         | 1,600  | 23.5<br>(69.0)                                                                         |        | Min.Bm.<br>Ang./Cap.    |

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| Rated Lifting Capacities<br>In Pounds                                                                                                                                                                                                                                                             |                |        |                |             |                |                  |                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------|----------------|-------------|----------------|------------------|-------------------------|
| INTERMEDIATE OUTRIGGERS                                                                                                                                                                                                                                                                           |                |        |                | 7,900# CTWT |                | MAIN BOOM<br>"B" |                         |
| Load<br>Radius<br>(Ft.)                                                                                                                                                                                                                                                                           | 90 Ft.         |        | 100 Ft.        |             | 110 Ft.        |                  | Load<br>Radius<br>(Ft.) |
|                                                                                                                                                                                                                                                                                                   | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°        | $\angle^\circ$ | 360°             |                         |
| 20                                                                                                                                                                                                                                                                                                | 77.0           | 28,900 |                |             |                |                  | 20                      |
| 25                                                                                                                                                                                                                                                                                                | 73.0           | 20,400 | 75.5           | 20,500      | 77.5           | 19,500           | 25                      |
| 30                                                                                                                                                                                                                                                                                                | 69.5           | 14,600 | 72.0           | 14,700      | 74.5           | 14,700           | 30                      |
| 35                                                                                                                                                                                                                                                                                                | 66.0           | 10,900 | 69.0           | 11,000      | 71.5           | 11,100           | 35                      |
| 40                                                                                                                                                                                                                                                                                                | 62.0           | 8,300  | 65.5           | 8,400       | 68.5           | 8,400            | 40                      |
| 45                                                                                                                                                                                                                                                                                                | 58.5           | 6,400  | 62.0           | 6,500       | 65.5           | 6,500            | 45                      |
| 50                                                                                                                                                                                                                                                                                                | 54.5           | 4,900  | 59.0           | 5,000       | 62.5           | 5,000            | 50                      |
| 55                                                                                                                                                                                                                                                                                                | 50.0           | 3,700  | 55.0           | 3,800       | 59.0           | 3,900            | 55                      |
| 60                                                                                                                                                                                                                                                                                                | 45.5           | 2,700  | 51.5           | 2,800       | 56.0           | 2,900            | 60                      |
| 65                                                                                                                                                                                                                                                                                                | 40.5           | 1,900  | 47.5           | 2,000       | 52.5           | 2,100            | 65                      |
| 70                                                                                                                                                                                                                                                                                                |                |        | 43.0           | 1,300       | 49.0           | 1,400            | 70                      |
| Min.Bm.<br>Ang./Cap.                                                                                                                                                                                                                                                                              | 34.5<br>(70.3) |        | 42.0<br>(70.8) |             | 47.5<br>(71.8) |                  | Min.Bm.<br>Ang./Cap.    |
| <div style="text-align: center;">  <b>WARNING</b> </div> <p>Do Not Lower The Boom Below The Minimum Boom Angle For The Boom Lengths Shown, Since Loss Of Stability Will Occur Causing A Tipping Condition.</p> |                |        |                |             |                |                  |                         |

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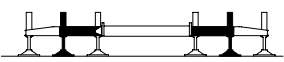
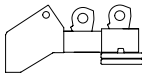
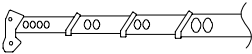
| Rated Lifting Capacities<br>In Pounds |                |        |                |        |                         |
|---------------------------------------|----------------|--------|----------------|--------|-------------------------|
| INTERMEDIATE OUTRIGGERS               |                |        | 11,500# CTWT   |        | MAIN BOOM<br>"A"        |
| Load<br>Radius<br>(Ft.)               | 35.5 Ft.       |        | 40 Ft.         |        | Load<br>Radius<br>(Ft.) |
|                                       | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   |                         |
| 10                                    | 68.0           | 84,100 | 70.5           | 80,900 | 10                      |
| 12                                    | 64.5           | 76,000 | 67.5           | 73,200 | 12                      |
| 15                                    | 58.5           | 58,600 | 62.5           | 58,000 | 15                      |
| 20                                    | 48.0           | 32,900 | 54.0           | 32,700 | 20                      |
| 25                                    | 34.5           | 21,400 | 43.5           | 21,300 | 25                      |
| 30                                    |                |        | 31.0           | 14,800 | 30                      |
| Min.Bm.<br>Ang./Cap.                  | 0.0<br>(30.0)  | 14,800 | 0.0<br>(34.5)  | 10,800 | Min.Bm.<br>Ang./Cap.    |

| Load<br>Radius<br>(Ft.) | 50 Ft.         |        | 60.3 Ft.       |        | Load<br>Radius<br>(Ft.) |
|-------------------------|----------------|--------|----------------|--------|-------------------------|
|                         | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   |                         |
| 10                      | 75.0           | 72,800 |                |        | 10                      |
| 12                      | 72.5           | 65,800 | 76.5           | 50,900 | 12                      |
| 15                      | 69.0           | 57,100 | 73.5           | 47,300 | 15                      |
| 20                      | 62.5           | 32,100 | 68.0           | 31,600 | 20                      |
| 25                      | 55.5           | 20,900 | 62.5           | 20,500 | 25                      |
| 30                      | 47.5           | 14,500 | 56.5           | 14,300 | 30                      |
| 35                      | 39.0           | 10,400 | 50.5           | 10,200 | 35                      |
| 40                      | 27.5           | 7,500  | 43.5           | 7,300  | 40                      |
| 45                      |                |        | 35.5           | 5,200  | 45                      |
| 50                      |                |        | 25.5           | 3,500  | 50                      |
| Min.Bm.<br>Ang./Cap.    | 0.0<br>(44.5)  | 5,400  | 0.0<br>(54.8)  | 2,200  | Min.Bm.<br>Ang./Cap.    |

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not for crane operations



| <div> <div>Rated Lifting Capacities<br/>In Pounds</div> <div>    </div> </div> |                |        |                |        |                |        |                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------|----------------|--------|----------------|--------|-------------------------|
| <div> <div>INTERMEDIATE OUTRIGGERS</div> <div>11,500# CTWT</div> <div>MAIN BOOM<br/>"B"</div> </div>                                                                                                                                                                                                                                 |                |        |                |        |                |        |                         |
| Load<br>Radius<br>(Ft.)                                                                                                                                                                                                                                                                                                              | 35.5 Ft.       |        | 40 Ft.         |        | 50 Ft.         |        | Load<br>Radius<br>(Ft.) |
|                                                                                                                                                                                                                                                                                                                                      | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   |                         |
| 10                                                                                                                                                                                                                                                                                                                                   | 68.0           | 84,100 | 70.5           | 37,900 | 74.5           | 37,900 | 10                      |
| 12                                                                                                                                                                                                                                                                                                                                   | 64.5           | 76,000 | 67.5           | 37,900 | 72.5           | 37,900 | 12                      |
| 15                                                                                                                                                                                                                                                                                                                                   | 58.5           | 58,600 | 62.5           | 37,900 | 69.0           | 37,900 | 15                      |
| 20                                                                                                                                                                                                                                                                                                                                   | 48.0           | 32,900 | 54.0           | 33,400 | 62.0           | 34,000 | 20                      |
| 25                                                                                                                                                                                                                                                                                                                                   | 34.5           | 21,400 | 43.5           | 21,900 | 55.5           | 22,600 | 25                      |
| 30                                                                                                                                                                                                                                                                                                                                   |                |        | 31.0           | 15,400 | 47.5           | 16,100 | 30                      |
| 35                                                                                                                                                                                                                                                                                                                                   |                |        |                |        | 38.5           | 11,900 | 35                      |
| 40                                                                                                                                                                                                                                                                                                                                   |                |        |                |        | 27.5           | 8,900  | 40                      |
| Min.Bm.<br>Ang./Cap.                                                                                                                                                                                                                                                                                                                 | 0.0<br>(30.0)  | 14,800 | 0.0<br>(34.5)  | 11,400 | 0.0<br>(44.5)  | 6,900  | Min.Bm.<br>Ang./Cap.    |

| Load<br>Radius<br>(Ft.) | 60 Ft.         |        | 70 Ft.         |        | 80 Ft.         |        | Load<br>Radius<br>(Ft.) |
|-------------------------|----------------|--------|----------------|--------|----------------|--------|-------------------------|
|                         | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   |                         |
| 10                      | 77.5           | 37,900 |                | 37,900 |                |        | 10                      |
| 12                      | 76.0           | 37,900 | 78.0*          | 37,900 |                |        | 12                      |
| 15                      | 73.0           | 37,900 | 76.0           | 37,900 | 78.0*          | 35,400 | 15                      |
| 20                      | 67.5           | 34,300 | 71.5           | 34,500 | 74.5           | 34,600 | 20                      |
| 25                      | 62.0           | 22,900 | 67.0           | 23,100 | 70.5           | 23,300 | 25                      |
| 30                      | 56.5           | 16,500 | 62.0           | 16,700 | 66.5           | 16,800 | 30                      |
| 35                      | 50.0           | 12,300 | 57.0           | 12,500 | 62.0           | 12,700 | 35                      |
| 40                      | 43.0           | 9,300  | 52.0           | 9,600  | 58.0           | 9,800  | 40                      |
| 45                      | 35.0           | 7,200  | 46.0           | 7,400  | 53.0           | 7,600  | 45                      |
| 50                      | 25.0           | 5,500  | 40.0           | 5,800  | 48.5           | 6,000  | 50                      |
| 55                      |                |        | 32.5           | 4,400  | 43.0           | 4,600  | 55                      |
| 60                      |                |        | 23.0           | 3,400  | 37.5           | 3,600  | 60                      |
| 65                      |                |        |                |        | 30.5           | 2,700  | 65                      |
| 70                      |                |        |                |        | 21.5           | 1,900  | 70                      |
| Min.Bm.<br>Ang./Cap.    | 0.0<br>(54.5)  | 4,200  | 0.0<br>(64.5)  | 2,500  | 0.0<br>(74.5)  | 1,300  | Min.Bm.<br>Ang./Cap.    |

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| Rated Lifting Capacities<br>In Pounds                                                                                                                                                                                                                |                |        |                |              |                |                  |                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------|----------------|--------------|----------------|------------------|-------------------------|
| INTERMEDIATE OUTRIGGERS                                                                                                                                                                                                                              |                |        |                | 11,500# CTWT |                | MAIN BOOM<br>"B" |                         |
| Load<br>Radius<br>(Ft.)                                                                                                                                                                                                                              | 90 Ft.         |        | 100 Ft.        |              | 110 Ft.        |                  | Load<br>Radius<br>(Ft.) |
|                                                                                                                                                                                                                                                      | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°         | $\angle^\circ$ | 360°             |                         |
| 20                                                                                                                                                                                                                                                   | 77.0           | 28,900 |                |              |                |                  | 20                      |
| 25                                                                                                                                                                                                                                                   | 73.5           | 23,400 | 76.0           | 23,300       | 77.5           | 19,500           | 25                      |
| 30                                                                                                                                                                                                                                                   | 69.5           | 16,900 | 72.5           | 17,000       | 75.0           | 17,000           | 30                      |
| 35                                                                                                                                                                                                                                                   | 66.0           | 12,700 | 69.0           | 12,800       | 71.5           | 12,900           | 35                      |
| 40                                                                                                                                                                                                                                                   | 62.5           | 9,900  | 66.0           | 10,000       | 68.5           | 10,000           | 40                      |
| 45                                                                                                                                                                                                                                                   | 58.5           | 7,800  | 62.5           | 7,800        | 65.5           | 7,900            | 45                      |
| 50                                                                                                                                                                                                                                                   | 54.5           | 6,100  | 59.0           | 6,200        | 62.5           | 6,300            | 50                      |
| 55                                                                                                                                                                                                                                                   | 50.0           | 4,800  | 55.5           | 4,900        | 59.5           | 5,000            | 55                      |
| 60                                                                                                                                                                                                                                                   | 45.5           | 3,700  | 51.5           | 3,800        | 56.0           | 3,900            | 60                      |
| 65                                                                                                                                                                                                                                                   | 40.5           | 2,800  | 47.5           | 2,900        | 52.5           | 3,000            | 65                      |
| 70                                                                                                                                                                                                                                                   | 35.0           | 2,100  | 43.5           | 2,200        | 49.0           | 2,200            | 70                      |
| 75                                                                                                                                                                                                                                                   | 29.0           | 1,400  | 38.5           | 1,500        | 45.5           | 1,600            | 75                      |
| Min.Bm.<br>Ang./Cap.                                                                                                                                                                                                                                 | 24.5<br>(77.6) |        | 35.0<br>(78.6) |              | 41.5<br>(79.6) |                  | Min.Bm.<br>Ang./Cap.    |
|  <b>WARNING</b><br>Do Not Lower The Boom Below The Minimum Boom Angle For The Boom Lengths Shown, Since Loss Of Stability Will Occur Causing A Tipping Condition. |                |        |                |              |                |                  |                         |

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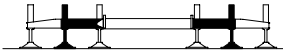
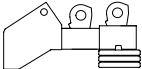
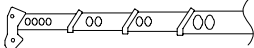
| Rated Lifting Capacities<br>In Pounds |                |        |                |        |                         |
|---------------------------------------|----------------|--------|----------------|--------|-------------------------|
| INTERMEDIATE OUTRIGGERS               |                |        | 15,100# CTWT   |        | MAIN BOOM<br>"A"        |
| Load<br>Radius<br>(Ft.)               | 35.5 Ft.       |        | 40 Ft.         |        | Load<br>Radius<br>(Ft.) |
|                                       | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   |                         |
| 10                                    | 68.0           | 84,100 | 70.5           | 80,900 | 10                      |
| 12                                    | 64.5           | 76,000 | 67.5           | 73,200 | 12                      |
| 15                                    | 58.5           | 65,100 | 62.5           | 63,600 | 15                      |
| 20                                    | 48.0           | 36,900 | 54.0           | 36,700 | 20                      |
| 25                                    | 34.5           | 24,300 | 43.5           | 24,100 | 25                      |
| 30                                    |                |        | 31.0           | 17,000 | 30                      |
| Min.Bm.<br>Ang./Cap.                  | 0.0<br>(30.0)  | 17,000 | 0.0<br>(34.5)  | 12,700 | Min.Bm.<br>Ang./Cap.    |

| Load<br>Radius<br>(Ft.) | 50 Ft.         |        | 60.3 Ft.       |        | Load<br>Radius<br>(Ft.) |
|-------------------------|----------------|--------|----------------|--------|-------------------------|
|                         | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   |                         |
| 10                      | 75.0           | 72,800 |                |        | 10                      |
| 12                      | 72.5           | 65,800 | 76.5           | 50,900 | 12                      |
| 15                      | 69.0           | 57,700 | 73.5           | 47,300 | 15                      |
| 20                      | 62.5           | 36,100 | 68.0           | 35,600 | 20                      |
| 25                      | 55.5           | 23,800 | 62.5           | 23,400 | 25                      |
| 30                      | 47.5           | 16,800 | 57.0           | 16,600 | 30                      |
| 35                      | 39.0           | 12,200 | 50.5           | 12,000 | 35                      |
| 40                      | 27.5           | 9,100  | 43.5           | 8,900  | 40                      |
| 45                      |                |        | 36.0           | 6,600  | 45                      |
| 50                      |                |        | 25.5           | 4,800  | 50                      |
| Min.Bm.<br>Ang./Cap.    | 0.0<br>(44.5)  | 6,800  | 0.0<br>(54.8)  | 3,300  | Min.Bm.<br>Ang./Cap.    |

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

not for crane operations



| Rated Lifting Capacities<br>In Pounds |                | <br>INTERMEDIATE OUTRIGGERS |                | <br>15,100# CTWT |                | <br>MAIN BOOM<br>"B" |                          |
|---------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------------------------------------------------------|----------------|---------------------------------------------------------------------------------------------------------|--------------------------|
| Load<br>Radius<br>(Ft.)               | 35.5 Ft.       |                                                                                                              | 40 Ft.         |                                                                                                    | 50 Ft.         |                                                                                                         | Load<br>Radius<br>(Ft.)  |
|                                       | $\angle^\circ$ | 360°                                                                                                         | $\angle^\circ$ | 360°                                                                                               | $\angle^\circ$ | 360°                                                                                                    |                          |
| 10                                    | 68.0           | 84,100                                                                                                       | 70.5           | 37,900                                                                                             | 74.5           | 37,900                                                                                                  | 10                       |
| 12                                    | 64.5           | 76,000                                                                                                       | 67.5           | 37,900                                                                                             | 72.5           | 37,900                                                                                                  | 12                       |
| 15                                    | 58.5           | 65,100                                                                                                       | 62.5           | 37,900                                                                                             | 69.0           | 37,900                                                                                                  | 15                       |
| 20                                    | 48.0           | 36,900                                                                                                       | 54.0           | 37,500                                                                                             | 62.5           | 37,900                                                                                                  | 20                       |
| 25                                    | 34.5           | 24,300                                                                                                       | 43.5           | 24,800                                                                                             | 55.5           | 25,500                                                                                                  | 25                       |
| 30                                    |                |                                                                                                              | 31.0           | 17,700                                                                                             | 47.5           | 18,400                                                                                                  | 30                       |
| 35                                    |                |                                                                                                              |                |                                                                                                    | 38.5           | 13,700                                                                                                  | 35                       |
| 40                                    |                |                                                                                                              |                |                                                                                                    | 27.5           | 10,500                                                                                                  | 40                       |
| Min.Bm.<br>Ang./<br>Cap.              | 0.0<br>(30.0)  | 17,000                                                                                                       | 0.0<br>(34.5)  | 13,300                                                                                             | 0.0<br>(44.5)  | 8,300                                                                                                   | Min.Bm.<br>Ang./<br>Cap. |

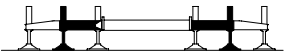
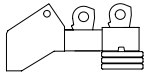
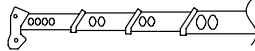
| Load<br>Radius<br>(Ft.) | 60 Ft.         |        | 70 Ft.         |        | 80 Ft.         |        | Load<br>Radius<br>(Ft.) |
|-------------------------|----------------|--------|----------------|--------|----------------|--------|-------------------------|
|                         | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   |                         |
| 10                      | 77.5           | 37,900 |                | 37,900 |                |        | 10                      |
| 12                      | 76.0           | 37,900 | 78.0*          | 37,900 |                |        | 12                      |
| 15                      | 73.0           | 37,900 | 76.0           | 37,900 | 78.0*          | 35,400 | 15                      |
| 20                      | 67.5           | 37,900 | 71.5           | 37,900 | 74.5           | 34,700 | 20                      |
| 25                      | 62.0           | 25,800 | 67.0           | 26,000 | 70.5           | 26,100 | 25                      |
| 30                      | 56.5           | 18,800 | 62.0           | 19,000 | 66.5           | 19,100 | 30                      |
| 35                      | 50.0           | 14,100 | 57.0           | 14,400 | 62.0           | 14,500 | 35                      |
| 40                      | 43.0           | 10,900 | 52.0           | 11,200 | 58.0           | 11,400 | 40                      |
| 45                      | 35.0           | 8,500  | 46.0           | 8,800  | 53.5           | 9,000  | 45                      |
| 50                      | 25.0           | 6,700  | 40.0           | 7,000  | 48.5           | 7,200  | 50                      |
| 55                      |                |        | 32.5           | 5,500  | 43.5           | 5,700  | 55                      |
| 60                      |                |        | 23.0           | 4,300  | 37.5           | 4,500  | 60                      |
| 65                      |                |        |                |        | 30.5           | 3,600  | 65                      |
| 70                      |                |        |                |        | 21.5           | 2,700  | 70                      |
| Min.Bm.<br>Ang./Cap.    | 0.0<br>(54.5)  | 5,300  | 0.0<br>(64.5)  | 3,400  | 0.0<br>(74.5)  | 2,100  | Min.Bm.<br>Ang./Cap.    |

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

\* This Capacity Based On Maximum Obtainable Boom Angle.

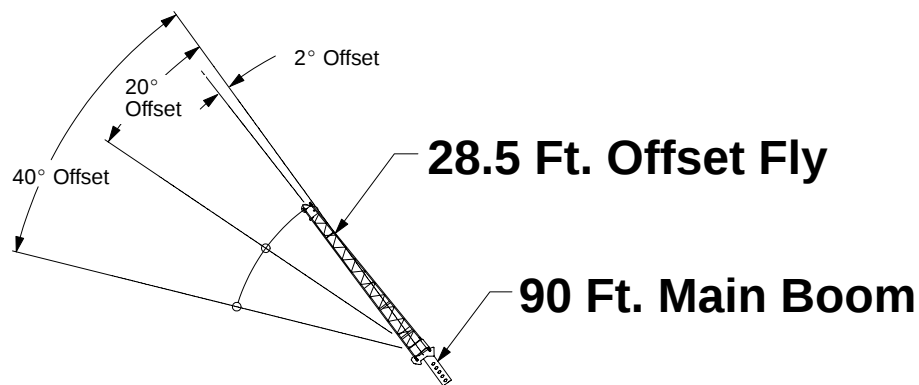
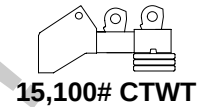
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| <div>    </div> <div> <b>Rated Lifting Capacities</b><br/> <b>In Pounds</b> </div> <div> <b>INTERMEDIATE OUTRIGGERS</b> </div> <div> <b>15,100# CTWT</b> </div> <div> <b>MAIN BOOM</b><br/> <b>"B"</b> </div> |                |        |                |        |                |        |                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------|----------------|--------|----------------|--------|-------------------------|
| Load<br>Radius<br>(Ft.)                                                                                                                                                                                                                                                                                                                                                                                                                                              | 90 Ft.         |        | 100 Ft.        |        | 110 Ft.        |        | Load<br>Radius<br>(Ft.) |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   |                         |
| 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 77.0           | 28,900 |                |        |                |        | 20                      |
| 25                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 73.5           | 26,200 | 76.0           | 24,000 | 77.5           | 19,500 | 25                      |
| 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 70.0           | 19,200 | 72.5           | 19,200 | 75.0           | 19,300 | 30                      |
| 35                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 66.0           | 14,600 | 69.5           | 14,700 | 72.0           | 14,700 | 35                      |
| 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 62.5           | 11,500 | 66.0           | 11,600 | 69.0           | 11,600 | 40                      |
| 45                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 58.5           | 9,200  | 62.5           | 9,200  | 66.0           | 9,300  | 45                      |
| 50                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 54.5           | 7,300  | 59.0           | 7,400  | 63.0           | 7,500  | 50                      |
| 55                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 50.5           | 5,900  | 55.5           | 6,000  | 59.5           | 6,100  | 55                      |
| 60                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 46.0           | 4,700  | 51.5           | 4,800  | 56.5           | 4,900  | 60                      |
| 65                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 41.0           | 3,700  | 48.0           | 3,800  | 53.0           | 3,900  | 65                      |
| 70                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 35.5           | 2,900  | 43.5           | 3,000  | 49.5           | 3,100  | 70                      |
| 75                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 29.0           | 2,200  | 39.0           | 2,300  | 45.5           | 2,400  | 75                      |
| 80                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 20.5           | 1,600  | 33.5           | 1,700  | 41.5           | 1,800  | 80                      |
| 85                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |        | 27.5           | 1,200  | 37.0           | 1,200  | 85                      |
| Min.Bm.<br>Ang./Cap.                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.0<br>(84.5)  | 1,100  | 26.0<br>(86.1) |        | 35.0<br>(86.9) |        | Min.Bm.<br>Ang./Cap.    |
| <div>  <b>WARNING</b> </div> <p>Do Not Lower The Boom Below The Minimum Boom Angle For The Boom Lengths Shown, Since Loss Of Stability Will Occur Causing A Tipping Condition.</p>                                                                                                                                                                                                |                |        |                |        |                |        |                         |

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

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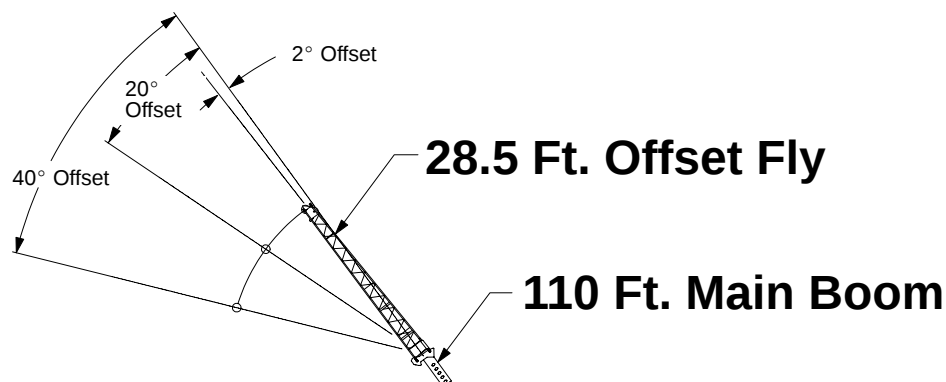

**Rated Lifting Capacities  
In Pounds**
**INTERMEDIATE OUTRIGGERS**


| Load<br>Radius<br>(Ft.) | 2° Offset      |        | 20° Offset     |        | 40° Offset     |       | Load<br>Radius<br>(Ft.) |
|-------------------------|----------------|--------|----------------|--------|----------------|-------|-------------------------|
|                         | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°  |                         |
| 30                      | 77.0           | 16,900 |                |        |                |       | 30                      |
| 35                      | 74.5           | 14,200 |                |        |                |       | 35                      |
| 40                      | 71.5           | 12,500 | 75.5           | 10,600 |                |       | 40                      |
| 45                      | 69.0           | 10,200 | 73.0           | 10,100 | 76.5           | 7,900 | 45                      |
| 50                      | 66.0           | 8,300  | 70.5           | 9,200  | 73.5           | 7,700 | 50                      |
| 55                      | 63.0           | 6,900  | 67.5           | 7,600  | 71.0           | 7,400 | 55                      |
| 60                      | 60.0           | 5,700  | 64.0           | 6,300  | 68.0           | 6,900 | 60                      |
| 65                      | 57.0           | 4,700  | 61.0           | 5,300  | 64.5           | 5,700 | 65                      |
| 70                      | 53.5           | 3,800  | 57.5           | 4,400  | 61.0           | 4,800 | 70                      |
| 75                      | 50.5           | 3,100  | 54.5           | 3,600  | 57.5           | 3,900 | 75                      |
| 80                      | 47.0           | 2,500  | 50.5           | 2,900  | 53.5           | 3,200 | 80                      |
| 85                      | 43.0           | 2,000  | 47.0           | 2,300  | 49.5           | 2,500 | 85                      |
| 90                      | 39.0           | 1,500  | 43.0           | 1,800  | 44.5           | 2,000 | 90                      |
| 95                      | 34.5           | 1,100  | 38.0           | 1,300  |                |       | 95                      |


**WARNING**

Do Not Lower 28.5 Ft. Offset Fly In Working Position Below 33.0° Main Boom Angle Unless Main Boom Length Is 76 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

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| Rated Lifting Capacities<br>In Pounds |                                                                                   |       |                                                                                   |              |                                                                                     |       |                         |
|---------------------------------------|-----------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------|-------|-------------------------|
| INTERMEDIATE OUTRIGGERS               |                                                                                   |       |                                                                                   | 15,100# CTWT |                                                                                     |       |                         |
| Load<br>Radius<br>(Ft.)               | 2° Offset                                                                         |       | 20° Offset                                                                        |              | 40° Offset                                                                          |       | Load<br>Radius<br>(Ft.) |
|                                       |  | 360°  |  | 360°         |  | 360°  |                         |
| 35                                    | 77.0                                                                              | 9,400 |                                                                                   |              |                                                                                     |       | 35                      |
| 40                                    | 75.5                                                                              | 9,400 |                                                                                   |              |                                                                                     |       | 40                      |
| 45                                    | 73.5                                                                              | 9,400 | 77.0                                                                              | 9,600        |                                                                                     |       | 45                      |
| 50                                    | 71.0                                                                              | 8,100 | 75.0                                                                              | 9,100        | 78.0*                                                                               | 7,600 | 50                      |
| 55                                    | 68.5                                                                              | 6,700 | 72.5                                                                              | 7,500        | 75.5                                                                                | 7,400 | 55                      |
| 60                                    | 66.0                                                                              | 5,500 | 70.0                                                                              | 6,200        | 73.5                                                                                | 6,800 | 60                      |
| 65                                    | 63.5                                                                              | 4,500 | 67.0                                                                              | 5,100        | 70.5                                                                                | 5,700 | 65                      |
| 70                                    | 61.0                                                                              | 3,700 | 64.5                                                                              | 4,200        | 67.5                                                                                | 4,700 | 70                      |
| 75                                    | 58.0                                                                              | 3,000 | 62.0                                                                              | 3,500        | 65.0                                                                                | 3,900 | 75                      |
| 80                                    | 55.5                                                                              | 2,400 | 59.0                                                                              | 2,800        | 62.0                                                                                | 3,200 | 80                      |
| 85                                    | 52.5                                                                              | 1,800 | 56.0                                                                              | 2,200        | 59.0                                                                                | 2,500 | 85                      |
| 90                                    | 49.5                                                                              | 1,400 | 53.0                                                                              | 1,700        | 55.5                                                                                | 2,000 | 90                      |
| 95                                    |                                                                                   |       | 50.0                                                                              | 1,300        | 52.5                                                                                | 1,500 | 95                      |

**WARNING**

Do Not Lower 28.5 Ft. Offset Fly In Working Position Below 48.0° Main Boom Angle Unless Main Boom Length Is 76 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

\* This Capacity Based On Maximum Obtainable Boom Angle.

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| Rated Lifting Capacities<br>In Pounds |                |        |                |        |                         |
|---------------------------------------|----------------|--------|----------------|--------|-------------------------|
| RETRACTED OUTRIGGERS                  |                |        | 7,900 # CTWT   |        | MAIN BOOM<br>"A"        |
| Load<br>Radius<br>(Ft.)               | 35.5 Ft.       |        | 40 Ft.         |        | Load<br>Radius<br>(Ft.) |
|                                       | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   |                         |
| 10                                    | 68.0           | 43,700 | 70.5           | 43,200 | 10                      |
| 12                                    | 64.0           | 31,300 | 67.5           | 30,900 | 12                      |
| 15                                    | 58.5           | 20,800 | 62.5           | 20,500 | 15                      |
| 20                                    | 48.0           | 11,800 | 53.5           | 11,700 | 20                      |
| 25                                    | 34.5           | 7,100  | 43.5           | 6,900  | 25                      |
| 30                                    |                |        | 31.0           | 4,000  | 30                      |
| Min.Bm.<br>Ang./Cap.                  | 0.0<br>(30.0)  | 4,000  | 0.0<br>(34.5)  | 2,000  | Min.Bm.<br>Ang./Cap.    |

| Load<br>Radius<br>(Ft.) | 50 Ft.         |        | 60.3 Ft.       |        | Load<br>Radius<br>(Ft.) |
|-------------------------|----------------|--------|----------------|--------|-------------------------|
|                         | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   |                         |
| 10                      | 75.0           | 42,300 |                |        | 10                      |
| 12                      | 72.5           | 30,200 | 76.0           | 29,600 | 12                      |
| 15                      | 68.5           | 20,000 | 72.5           | 19,600 | 15                      |
| 20                      | 62.0           | 11,300 | 67.5           | 11,100 | 20                      |
| 25                      | 55.0           | 6,700  | 62.0           | 6,400  | 25                      |
| 30                      | 47.5           | 3,700  | 56.5           | 3,600  | 30                      |
| 35                      | 38.5           | 1,700  | 50.0           | 1,600  | 35                      |
| Min.Bm.<br>Ang./Cap.    | 34.0<br>(37.2) |        | 48.0<br>(36.5) |        | Min.Bm.<br>Ang./Cap.    |

**WARNING**

Do Not Lower The Boom Below The Minimum Boom Angle For The Boom Lengths Shown, Since Loss Of Stability Will Occur Causing A Tipping Condition.

( ) Reference Radius for Min. Boom Angle Capacities (Shown In Parenthesis) Are In Feet.

not for crane operations



| Rated Lifting Capacities<br>In Pounds |                |        |                |        |                         |
|---------------------------------------|----------------|--------|----------------|--------|-------------------------|
| RETRACTED OUTRIGGERS                  |                |        | 7,900 # CTWT   |        | MAIN BOOM<br>"B"        |
| Load<br>Radius<br>(Ft.)               | 35.5 Ft.       |        | 40 Ft.         |        | Load<br>Radius<br>(Ft.) |
|                                       | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   |                         |
| 10                                    | 68.0           | 43,700 | 70.5           | 37,900 | 10                      |
| 12                                    | 64.0           | 31,300 | 67.5           | 31,700 | 12                      |
| 15                                    | 58.5           | 20,800 | 62.5           | 21,200 | 15                      |
| 20                                    | 48.0           | 11,800 | 53.5           | 12,200 | 20                      |
| 25                                    | 34.5           | 7,100  | 43.5           | 7,500  | 25                      |
| 30                                    |                |        | 31.0           | 4,500  | 30                      |
| Min.Bm.<br>Ang./Cap.                  | 0.0<br>(30.0)  | 4,000  | 0.0<br>(34.5)  | 2,500  | Min.Bm.<br>Ang./Cap.    |

| Load<br>Radius<br>(Ft.) | 50 Ft.         |        | 60 Ft.         |        | 70 Ft.         |        | Load<br>Radius<br>(Ft.) |
|-------------------------|----------------|--------|----------------|--------|----------------|--------|-------------------------|
|                         | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   |                         |
| 10                      | 74.5           | 37,900 | 77.5           | 37,900 |                |        | 10                      |
| 12                      | 72.5           | 32,100 | 75.5           | 32,400 | 78.0*          | 32,600 | 12                      |
| 15                      | 68.5           | 21,800 | 72.5           | 22,100 | 75.5           | 22,200 | 15                      |
| 20                      | 62.0           | 12,900 | 67.0           | 13,200 | 71.0           | 13,400 | 20                      |
| 25                      | 55.0           | 8,100  | 62.0           | 8,500  | 66.5           | 8,800  | 25                      |
| 30                      | 47.5           | 5,100  | 56.0           | 5,500  | 61.5           | 5,800  | 30                      |
| 35                      | 38.5           | 3,100  | 50.0           | 3,500  | 56.5           | 3,700  | 35                      |
| 40                      | 27.0           | 1,600  | 43.0           | 2,000  | 51.5           | 2,300  | 40                      |
| 45                      |                |        |                |        | 46.0           | 1,200  | 45                      |
| Min.Bm.<br>Ang./Cap.    | 18.5<br>(42.7) |        | 35.5<br>(44.6) |        | 44.5<br>(46.0) |        | Min.Bm.<br>Ang./Cap.    |

**WARNING**

Do Not Lower The Boom Below The Minimum Boom Angle For The Boom Lengths Shown, Since Loss Of Stability Will Occur Causing A Tipping Condition.

( ) Reference Radius for Min. Boom Angle Capacities (Shown In Parenthesis) Are In Feet.

\* This Capacity Based On Maximum Obtainable Boom Angle.

not for crane operations



| Rated Lifting Capacities<br>In Pounds |                |        |                |        |                         |
|---------------------------------------|----------------|--------|----------------|--------|-------------------------|
| RETRACTED OUTRIGGERS                  |                |        | 11,500 # CTWT  |        | MAIN BOOM<br>"A"        |
| Load<br>Radius<br>(Ft.)               | 35.5 Ft.       |        | 40 Ft.         |        | Load<br>Radius<br>(Ft.) |
|                                       | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   |                         |
| 10                                    | 68.0           | 50,600 | 70.5           | 50,000 | 10                      |
| 12                                    | 64.0           | 36,400 | 67.5           | 36,100 | 12                      |
| 15                                    | 58.5           | 24,500 | 62.5           | 24,300 | 15                      |
| 20                                    | 48.0           | 14,500 | 53.5           | 14,300 | 20                      |
| 25                                    | 34.5           | 9,100  | 43.5           | 8,900  | 25                      |
| 30                                    |                |        | 31.0           | 5,600  | 30                      |
| Min.Bm.<br>Ang./Cap.                  | 0.0<br>(30.0)  | 5,600  | 0.0<br>(34.5)  | 3,400  | Min.Bm.<br>Ang./Cap.    |

| Load<br>Radius<br>(Ft.) | 50 Ft.         |        | 60.3 Ft.       |        | Load<br>Radius<br>(Ft.) |
|-------------------------|----------------|--------|----------------|--------|-------------------------|
|                         | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   |                         |
| 10                      | 75.0           | 49,200 |                |        | 10                      |
| 12                      | 72.5           | 35,300 | 76.0           | 34,800 | 12                      |
| 15                      | 68.5           | 23,800 | 73.0           | 23,400 | 15                      |
| 20                      | 62.0           | 13,900 | 67.5           | 13,700 | 20                      |
| 25                      | 55.0           | 8,700  | 62.0           | 8,500  | 25                      |
| 30                      | 47.5           | 5,400  | 56.5           | 5,200  | 30                      |
| 35                      | 38.5           | 3,100  | 50.0           | 3,000  | 35                      |
| 40                      | 27.5           | 1,500  | 43.5           | 1,300  | 40                      |
| Min.Bm.<br>Ang./Cap.    | 22.0<br>(41.8) |        | 41.5<br>(41.4) |        | Min.Bm.<br>Ang./Cap.    |

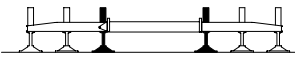
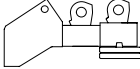
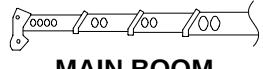
**WARNING**

Do Not Lower The Boom Below The Minimum Boom Angle For The Boom Lengths Shown, Since Loss Of Stability Will Occur Causing A Tipping Condition.

( ) Reference Radius for Min. Boom Angle Capacities (Shown In Parenthesis) Are In Feet.

not for crane operations



| Rated Lifting Capacities<br>In Pounds |                | <br>RETRACTED OUTRIGGERS |                | <br>11,500# CTWT |                | <br>MAIN BOOM<br>"B" |                         |
|---------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------------------------------------------------------|----------------|---------------------------------------------------------------------------------------------------------|-------------------------|
| Load<br>Radius<br>(Ft.)               | 35.5 Ft.       |                                                                                                           | 40 Ft.         |                                                                                                    | 50 Ft.         |                                                                                                         | Load<br>Radius<br>(Ft.) |
|                                       | $\angle^\circ$ | 360°                                                                                                      | $\angle^\circ$ | 360°                                                                                               | $\angle^\circ$ | 360°                                                                                                    |                         |
| 10                                    | 68.0           | 50,600                                                                                                    | 70.5           | 37,900                                                                                             | 74.5           | 37,900                                                                                                  | 10                      |
| 12                                    | 64.0           | 36,400                                                                                                    | 67.5           | 36,800                                                                                             | 72.5           | 37,300                                                                                                  | 12                      |
| 15                                    | 58.5           | 24,500                                                                                                    | 62.5           | 25,000                                                                                             | 68.5           | 25,600                                                                                                  | 15                      |
| 20                                    | 48.0           | 14,500                                                                                                    | 53.5           | 14,900                                                                                             | 62.0           | 15,500                                                                                                  | 20                      |
| 25                                    | 34.5           | 9,100                                                                                                     | 43.5           | 9,500                                                                                              | 55.0           | 10,100                                                                                                  | 25                      |
| 30                                    |                |                                                                                                           | 31.0           | 6,200                                                                                              | 47.5           | 6,800                                                                                                   | 30                      |
| 35                                    |                |                                                                                                           |                |                                                                                                    | 38.5           | 4,500                                                                                                   | 35                      |
| 40                                    |                |                                                                                                           |                |                                                                                                    | 27.0           | 2,800                                                                                                   | 40                      |
| Min.Bm.<br>Ang./Cap.                  | 0.0<br>(30.0)  | 5,600                                                                                                     | 0.0<br>(34.5)  | 3,900                                                                                              | 0.0<br>(44.5)  | 1,600                                                                                                   | Min.Bm.<br>Ang./Cap.    |

| Load<br>Radius<br>(Ft.) | 60 Ft.         |        | 70 Ft.         |        | 80 Ft.         |        | Load<br>Radius<br>(Ft.) |
|-------------------------|----------------|--------|----------------|--------|----------------|--------|-------------------------|
|                         | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   |                         |
| 10                      | 77.5           | 37,900 |                |        |                |        | 10                      |
| 12                      | 75.5           | 37,600 | 78.0*          | 37,800 |                |        | 12                      |
| 15                      | 72.5           | 25,800 | 75.5           | 26,000 | 77.5           | 26,100 | 15                      |
| 20                      | 67.5           | 15,900 | 71.0           | 16,000 | 73.5           | 16,200 | 20                      |
| 25                      | 62.0           | 10,500 | 66.5           | 10,800 | 70.0           | 10,900 | 25                      |
| 30                      | 56.0           | 7,200  | 61.5           | 7,400  | 66.0           | 7,600  | 30                      |
| 35                      | 50.0           | 4,900  | 57.0           | 5,100  | 61.5           | 5,300  | 35                      |
| 40                      | 43.0           | 3,200  | 51.5           | 3,500  | 57.5           | 3,600  | 40                      |
| 45                      | 35.0           | 1,900  | 46.0           | 2,200  | 53.0           | 2,400  | 45                      |
| 50                      |                |        | 39.5           | 1,200  | 48.0           | 1,400  | 50                      |
| Min.Bm.<br>Ang./Cap.    | 24.0<br>(50.4) |        | 37.0<br>(52.1) |        | 45.0<br>(53.1) |        | Min.Bm.<br>Ang./Cap.    |

**WARNING**

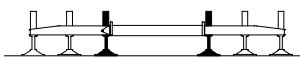
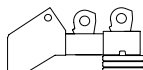
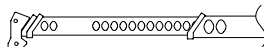
Do Not Lower The Boom Below The Minimum Boom Angle For The Boom Lengths Shown, Since Loss Of Stability Will Occur Causing A Tipping Condition.

( ) Reference Radius for Min. Boom Angle Capacities (Shown In Parenthesis) Are In Feet.

\* This Capacity Based On Maximum Obtainable Boom Angle.

not for crane operations



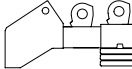
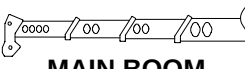
| Rated Lifting Capacities<br>In Pounds                                                                                                                                                                                      |                                                                                     | <br>RETRACTED OUTRIGGERS |                                                                                     | <br>15,100 # CTWT |                         | <br>MAIN BOOM<br>"A" |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------|--|
| Load<br>Radius<br>(Ft.)                                                                                                                                                                                                    | 35.5 Ft.                                                                            |                                                                                                           | 40 Ft.                                                                              |                                                                                                     | Load<br>Radius<br>(Ft.) |                                                                                                         |  |
|                                                                                                                                                                                                                            |  ° | 360°                                                                                                      |  ° | 360°                                                                                                |                         |                                                                                                         |  |
| 10                                                                                                                                                                                                                         | 68.0                                                                                | 57,500                                                                                                    | 70.5                                                                                | 56,900                                                                                              | 10                      |                                                                                                         |  |
| 12                                                                                                                                                                                                                         | 64.0                                                                                | 41,700                                                                                                    | 67.5                                                                                | 41,300                                                                                              | 12                      |                                                                                                         |  |
| 15                                                                                                                                                                                                                         | 58.5                                                                                | 28,400                                                                                                    | 62.5                                                                                | 28,100                                                                                              | 15                      |                                                                                                         |  |
| 20                                                                                                                                                                                                                         | 48.0                                                                                | 17,100                                                                                                    | 53.5                                                                                | 16,900                                                                                              | 20                      |                                                                                                         |  |
| 25                                                                                                                                                                                                                         | 34.5                                                                                | 11,100                                                                                                    | 43.5                                                                                | 11,000                                                                                              | 25                      |                                                                                                         |  |
| 30                                                                                                                                                                                                                         |                                                                                     |                                                                                                           | 31.0                                                                                | 7,200                                                                                               | 30                      |                                                                                                         |  |
| Min.Bm.<br>Ang./Cap.                                                                                                                                                                                                       | 0.0<br>(30.0)                                                                       | 7,200                                                                                                     | 0.0<br>(34.5)                                                                       | 4,800                                                                                               | Min.Bm.<br>Ang./Cap.    |                                                                                                         |  |
| <div> <b>WARNING</b><br/>Do Not Raise The Boom Above 71 Degrees. Loss Of Backward Stability Will Occur Causing A Tipping Condition.</div> |                                                                                     |                                                                                                           |                                                                                     |                                                                                                     |                         |                                                                                                         |  |

| Load Radius (Ft.)                                                                                                                                                                                                                                               | 50 Ft.           |        | 60.3 Ft.         |        | Load Radius (Ft.)    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------|------------------|--------|----------------------|
|                                                                                                                                                                                                                                                                 | $\angle^{\circ}$ | 360°   | $\angle^{\circ}$ | 360°   |                      |
| 15                                                                                                                                                                                                                                                              | 68.5             |        |                  |        | 15                   |
| 20                                                                                                                                                                                                                                                              | 62.0             | 27,600 | 67.5             | 16,300 | 20                   |
| 25                                                                                                                                                                                                                                                              | 55.0             | 16,600 | 62.0             | 10,500 | 25                   |
| 30                                                                                                                                                                                                                                                              | 47.5             | 10,700 | 56.5             | 6,800  | 30                   |
| 35                                                                                                                                                                                                                                                              | 47.5             | 7,000  | 50.5             | 4,300  | 35                   |
| 40                                                                                                                                                                                                                                                              | 38.5             | 4,500  | 43.5             | 2,500  | 40                   |
| 45                                                                                                                                                                                                                                                              | 27.5             | 2,700  | 35.5             | 1,100  | 45                   |
| Min.Bm.<br>Ang./Cap.                                                                                                                                                                                                                                            | 0.0<br>(44.5)    | 1,300  | 34.0<br>(46.0)   |        | Min.Bm.<br>Ang./Cap. |
| <div><b>WARNING</b><br/>Do Not Lower The Boom Below The Minimum Boom Angle For The Boom Lengths Shown, Since Loss Of Stability Will Occur Causing A Tipping Condition.</div> |                  |        |                  |        |                      |

( ) Reference Radius for Min. Boom Angle Capacities (Shown In Parenthesis) Are In Feet.

not for crane operations



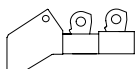
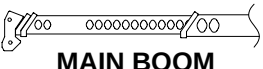
| Rated Lifting Capacities<br>In Pounds                                                                                                                                                                           |                | <br>RETRACTED OUTRIGGERS |                | <br>15,100# CTWT |                | <br>MAIN BOOM<br>"B" |                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------------------------------------------------------|----------------|---------------------------------------------------------------------------------------------------------|-------------------------|
| Load<br>Radius<br>(Ft.)                                                                                                                                                                                         | 35.5 Ft.       |                                                                                                           | 40 Ft.         |                                                                                                    | 50 Ft.         |                                                                                                         | Load<br>Radius<br>(Ft.) |
|                                                                                                                                                                                                                 | $\angle^\circ$ | 360°                                                                                                      | $\angle^\circ$ | 360°                                                                                               | $\angle^\circ$ | 360°                                                                                                    |                         |
| 10                                                                                                                                                                                                              | 68.0           | 57,500                                                                                                    | 70.5           | 37,900                                                                                             |                |                                                                                                         | 10                      |
| 12                                                                                                                                                                                                              | 64.0           | 41,700                                                                                                    | 67.5           | 37,900                                                                                             |                |                                                                                                         | 12                      |
| 15                                                                                                                                                                                                              | 58.5           | 28,400                                                                                                    | 62.5           | 28,800                                                                                             | 68.5           | 29,400                                                                                                  | 15                      |
| 20                                                                                                                                                                                                              | 48.0           | 17,100                                                                                                    | 53.5           | 17,500                                                                                             | 62.0           | 18,100                                                                                                  | 20                      |
| 25                                                                                                                                                                                                              | 34.5           | 11,100                                                                                                    | 43.5           | 11,500                                                                                             | 55.0           | 12,100                                                                                                  | 25                      |
| 30                                                                                                                                                                                                              |                |                                                                                                           | 31.0           | 7,800                                                                                              | 47.5           | 8,400                                                                                                   | 30                      |
| 35                                                                                                                                                                                                              |                |                                                                                                           |                |                                                                                                    | 38.5           | 5,900                                                                                                   | 35                      |
| 40                                                                                                                                                                                                              |                |                                                                                                           |                |                                                                                                    | 27.5           | 4,000                                                                                                   | 40                      |
| Min.Bm.<br>Ang./Cap.                                                                                                                                                                                            | 0.0<br>(30.0)  | 7,200                                                                                                     | 0.0<br>(34.5)  | 5,300                                                                                              | 0.0<br>(44.5)  | 2,600                                                                                                   | Min.Bm.<br>Ang./Cap.    |
|  <b>WARNING</b><br>Do Not Raise The Boom Above 71 Degrees. Loss Of Backward Stability Will Occur Causing A Tipping Condition. |                |                                                                                                           |                |                                                                                                    |                |                                                                                                         |                         |

| Load<br>Radius<br>(Ft.)                                                                                                                                                                                                                              | 60 Ft.         |        | 70 Ft.         |        | 80 Ft.         |        | 90 Ft.         |       | Load<br>Radius<br>(Ft.)  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------|----------------|--------|----------------|--------|----------------|-------|--------------------------|
|                                                                                                                                                                                                                                                      | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°  |                          |
| 20                                                                                                                                                                                                                                                   | 67.5           | 18,500 |                |        |                |        |                |       | 20                       |
| 25                                                                                                                                                                                                                                                   | 62.0           | 12,500 | 66.5           | 12,800 | 70.0           | 12,900 |                |       | 25                       |
| 30                                                                                                                                                                                                                                                   | 56.0           | 8,800  | 61.5           | 9,100  | 66.0           | 9,200  | 69.0           | 9,300 | 30                       |
| 35                                                                                                                                                                                                                                                   | 50.0           | 6,200  | 57.0           | 6,500  | 61.5           | 6,700  | 65.5           | 6,800 | 35                       |
| 40                                                                                                                                                                                                                                                   | 43.0           | 4,400  | 51.5           | 4,600  | 57.5           | 4,800  | 62.0           | 5,000 | 40                       |
| 45                                                                                                                                                                                                                                                   | 35.0           | 3,000  | 46.0           | 3,200  | 53.0           | 3,400  | 58.0           | 3,600 | 45                       |
| 50                                                                                                                                                                                                                                                   | 24.5           | 1,900  | 39.5           | 2,100  | 48.0           | 2,300  | 54.0           | 2,500 | 50                       |
| 55                                                                                                                                                                                                                                                   |                |        | 32.5           | 1,200  | 43.0           | 1,400  | 50.0           | 1,600 | 55                       |
| Min.Bm.<br>Ang./<br>Cap.                                                                                                                                                                                                                             | 0.0<br>(54.5)  | 1,000  | 27.0<br>(58.1) |        | 38.0<br>(59.3) |        | 45.0<br>(60.2) |       | Min.Bm.<br>Ang./<br>Cap. |
|  <b>WARNING</b><br>Do Not Lower The Boom Below The Minimum Boom Angle For The Boom Lengths Shown, Since Loss Of Stability Will Occur Causing A Tipping Condition. |                |        |                |        |                |        |                |       |                          |

( ) Reference Radius for Min. Boom Angle Capacities (Shown In Parenthesis) Are In Feet.

not for crane operations



| <b>Rated Lifting Capacities In Pounds</b><br><b>Stationary</b><br><b>Boom Centered Over Rear</b> |                |                                                                                                      |                |                                                                                                             |                   |
|--------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------|-------------------|
|                                                                                                  |                | <br><b>ON TIRES</b> |                | <br><b>4,300# CTWT</b>   |                   |
|                                                                                                  |                |                                                                                                      |                | <br><b>MAIN BOOM "A"</b> |                   |
| Load Radius (Ft.)                                                                                | 35.5 Ft.       |                                                                                                      | 40 Ft.         |                                                                                                             | Load Radius (Ft.) |
|                                                                                                  | $\angle^\circ$ | Load                                                                                                 | $\angle^\circ$ | Load                                                                                                        |                   |
| 10                                                                                               | 68.0           | 43,300                                                                                               |                |                                                                                                             | 10                |
| 12                                                                                               | 64.0           | 43,300                                                                                               | 67.5           | 32,800                                                                                                      | 12                |
| 15                                                                                               | 58.5           | 30,000                                                                                               | 62.5           | 29,800                                                                                                      | 15                |
| 20                                                                                               | 48.0           | 18,700                                                                                               | 53.5           | 18,600                                                                                                      | 20                |
| 25                                                                                               | 34.5           | 12,700                                                                                               | 43.5           | 12,500                                                                                                      | 25                |
| 30                                                                                               |                |                                                                                                      | 31.0           | 8,800                                                                                                       | 30                |
| Min.Bm. Ang./Cap.                                                                                | 0.0 (30.0)     | 8,800                                                                                                | 0.0 (34.5)     | 6,300                                                                                                       | Min.Bm. Ang./Cap. |

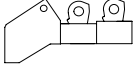
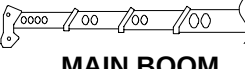
| Load Radius (Ft.) | 50 Ft.         |        | 60.3 Ft.       |        | Load Radius (Ft.) |
|-------------------|----------------|--------|----------------|--------|-------------------|
|                   | $\angle^\circ$ | Load   | $\angle^\circ$ | Load   |                   |
| 15                | 68.5           | 18,300 |                |        | 15                |
| 20                | 62.0           | 18,300 | 67.5           | 12,100 | 20                |
| 25                | 55.0           | 12,300 | 62.0           | 12,100 | 25                |
| 30                | 47.5           | 8,600  | 56.5           | 8,400  | 30                |
| 35                | 38.5           | 6,000  | 50.5           | 5,900  | 35                |
| 40                | 27.5           | 4,200  | 43.5           | 4,000  | 40                |
| 45                |                |        | 35.5           | 2,600  | 45                |
| Min.Bm. Ang./Cap. | 0.0 (44.5)     | 2,800  | 25.5 (50.1)    |        | Min.Bm. Ang./Cap. |

**WARNING**

Do Not Lower The Boom Below The Minimum Boom Angle For The Boom Lengths Shown, Since Loss Of Stability Will Occur Causing A Tipping Condition.

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



| <b>Rated Lifting Capacities In Pounds</b><br><b>Stationary</b><br><b>Boom Centered Over Rear</b>                                                                                                                                                                                                         |                |        |                |                                                                                                          |                |                                                                                                             |                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------|----------------|----------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------|-------------------|
| <br><b>ON TIRES</b>                                                                                                                                                                                                     |                |        |                | <br><b>4,300# CTWT</b> |                | <br><b>MAIN BOOM "B"</b> |                   |
| Load Radius (Ft.)                                                                                                                                                                                                                                                                                        | 35.5 Ft.       |        | 40 Ft.         |                                                                                                          | 50 Ft.         |                                                                                                             | Load Radius (Ft.) |
|                                                                                                                                                                                                                                                                                                          | $\angle^\circ$ | Load   | $\angle^\circ$ | Load                                                                                                     | $\angle^\circ$ | Load                                                                                                        |                   |
| 10                                                                                                                                                                                                                                                                                                       | 68.0           | 43,300 |                |                                                                                                          |                |                                                                                                             | 10                |
| 12                                                                                                                                                                                                                                                                                                       | 64.0           | 43,300 | 67.5           | 37,900                                                                                                   |                |                                                                                                             | 12                |
| 15                                                                                                                                                                                                                                                                                                       | 58.5           | 30,000 | 62.5           | 30,400                                                                                                   | 68.5           | 19,600                                                                                                      | 15                |
| 20                                                                                                                                                                                                                                                                                                       | 48.0           | 18,700 | 53.5           | 19,100                                                                                                   | 62.0           | 19,600                                                                                                      | 20                |
| 25                                                                                                                                                                                                                                                                                                       | 34.5           | 12,700 | 43.5           | 13,000                                                                                                   | 55.0           | 13,600                                                                                                      | 25                |
| 30                                                                                                                                                                                                                                                                                                       |                |        | 31.0           | 9,300                                                                                                    | 47.5           | 9,800                                                                                                       | 30                |
| 35                                                                                                                                                                                                                                                                                                       |                |        |                |                                                                                                          | 38.5           | 7,200                                                                                                       | 35                |
| 40                                                                                                                                                                                                                                                                                                       |                |        |                |                                                                                                          | 27.5           | 5,300                                                                                                       | 40                |
| Min.Bm. Ang./Cap.                                                                                                                                                                                                                                                                                        | 0.0 (30.0)     | 8,800  | 0.0 (34.5)     | 6,800                                                                                                    | 0.0 (44.5)     | 4,000                                                                                                       | Min.Bm. Ang./Cap. |
| Load Radius (Ft.)                                                                                                                                                                                                                                                                                        | 60 Ft.         |        | 70 Ft.         |                                                                                                          | 80 Ft.         |                                                                                                             | Load Radius (Ft.) |
|                                                                                                                                                                                                                                                                                                          | $\angle^\circ$ | Load   | $\angle^\circ$ | Load                                                                                                     | $\angle^\circ$ | Load                                                                                                        |                   |
| 20                                                                                                                                                                                                                                                                                                       | 67.5           | 13,900 |                |                                                                                                          |                |                                                                                                             | 20                |
| 25                                                                                                                                                                                                                                                                                                       | 62.0           | 13,900 | 66.5           | 10,400                                                                                                   |                |                                                                                                             | 25                |
| 30                                                                                                                                                                                                                                                                                                       | 56.0           | 10,100 | 62.0           | 10,400                                                                                                   | 66.0           | 10,500                                                                                                      | 30                |
| 35                                                                                                                                                                                                                                                                                                       | 50.0           | 7,500  | 57.0           | 7,800                                                                                                    | 62.0           | 7,900                                                                                                       | 35                |
| 40                                                                                                                                                                                                                                                                                                       | 43.0           | 5,700  | 51.5           | 5,900                                                                                                    | 57.5           | 6,000                                                                                                       | 40                |
| 45                                                                                                                                                                                                                                                                                                       | 35.0           | 4,200  | 46.0           | 4,500                                                                                                    | 53.0           | 4,600                                                                                                       | 45                |
| 50                                                                                                                                                                                                                                                                                                       | 24.5           | 3,100  | 39.5           | 3,300                                                                                                    | 48.0           | 3,500                                                                                                       | 50                |
| 55                                                                                                                                                                                                                                                                                                       |                |        | 32.5           | 2,400                                                                                                    | 43.0           | 2,600                                                                                                       | 55                |
| 60                                                                                                                                                                                                                                                                                                       |                |        | 23.0           | 1,700                                                                                                    | 37.0           | 1,800                                                                                                       | 60                |
| Min.Bm. Ang./Cap.                                                                                                                                                                                                                                                                                        | 0.0 (54.5)     | 2,200  | 14.0 (63.1)    |                                                                                                          | 31.0 (64.5)    |                                                                                                             | Min.Bm. Ang./Cap. |
| <div style="text-align: center;">  <b>WARNING</b> </div> <p><b>Do Not Lower The Boom Below The Minimum Boom Angle For The Boom Lengths Shown, Since Loss Of Stability Will Occur Causing A Tipping Condition.</b></p> |                |        |                |                                                                                                          |                |                                                                                                             |                   |

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

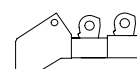
not for crane operations



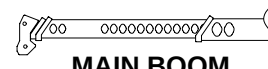
**Rated Lifting Capacities In Pounds**  
**Pick & Carry – 1 MPH**  
**Boom Centered Over Rear**



ON TIRES



4,300# CTWT



**MAIN BOOM**  
**"A"**

| Load Radius (Ft.) | 35.5 Ft.       |        | 40 Ft.         |        | Load Radius (Ft.) |
|-------------------|----------------|--------|----------------|--------|-------------------|
|                   | $\angle^\circ$ | Load   | $\angle^\circ$ | Load   |                   |
| 10                | 68.0           | 36,200 |                |        | 10                |
| 12                | 64.0           | 33,000 | 67.5           | 32,800 | 12                |
| 15                | 58.5           | 28,800 | 62.5           | 28,700 | 15                |
| 20                | 48.0           | 18,700 | 53.5           | 18,600 | 20                |
| 25                | 34.5           | 12,700 | 43.5           | 12,500 | 25                |
| 30                |                |        | 31.0           | 8,800  | 30                |
| Min.Bm. Ang./Cap. | 0.0 (30.0)     | 8,800  | 0.0 (34.5)     | 6,300  | Min.Bm. Ang./Cap. |

| Load Radius (Ft.) | 50 Ft.         |        | 60.3 Ft.       |        | Load Radius (Ft.) |
|-------------------|----------------|--------|----------------|--------|-------------------|
|                   | $\angle^\circ$ | Load   | $\angle^\circ$ | Load   |                   |
| 15                | 68.5           | 18,300 |                |        | 15                |
| 20                | 62.0           | 18,300 | 67.5           | 12,100 | 20                |
| 25                | 55.0           | 12,300 | 62.0           | 12,100 | 25                |
| 30                | 47.5           | 8,600  | 56.5           | 8,400  | 30                |
| 35                | 38.5           | 6,000  | 50.5           | 5,900  | 35                |
| 40                | 27.5           | 4,200  | 43.5           | 4,000  | 40                |
| 45                |                |        | 35.5           | 2,600  | 45                |
| Min.Bm. Ang./Cap. | 0.0 (44.5)     | 2,800  | 25.5 (50.1)    |        | Min.Bm. Ang./Cap. |

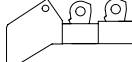
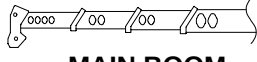
**WARNING**

**Do Not Lower The Boom Below The Minimum Boom Angle For The Boom Lengths Shown, Since Loss Of Stability Will Occur Causing A Tipping Condition.**

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

not for crane operations

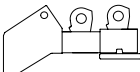
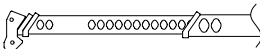


| <b>Rated Lifting Capacities In Pounds</b><br><b>Pick &amp; Carry – 1 MPH</b><br><b>Boom Centered Over Rear</b>                                                                                                                                                        |                                                                                       |        |                                                                                       |                                                                                                          |                                                                                         |                                                                                                                 |                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------|
| <br><b>ON TIRES</b>                                                                                                                                                                  |                                                                                       |        |                                                                                       | <br><b>4,300# CTWT</b> |                                                                                         | <br><b>MAIN BOOM<br/>"B"</b> |                         |
| Load<br>Radius<br>(Ft.)                                                                                                                                                                                                                                               | 35.5 Ft.                                                                              |        | 40 Ft.                                                                                |                                                                                                          | 50 Ft.                                                                                  |                                                                                                                 | Load<br>Radius<br>(Ft.) |
|                                                                                                                                                                                                                                                                       |  °   | Load   |  °   | Load                                                                                                     |  °   | Load                                                                                                            |                         |
| 10                                                                                                                                                                                                                                                                    | 68.0                                                                                  | 36,200 |                                                                                       |                                                                                                          |                                                                                         |                                                                                                                 | 10                      |
| 12                                                                                                                                                                                                                                                                    | 64.0                                                                                  | 33,000 | 67.5                                                                                  | 33,100                                                                                                   |                                                                                         |                                                                                                                 | 12                      |
| 15                                                                                                                                                                                                                                                                    | 58.5                                                                                  | 28,800 | 62.5                                                                                  | 29,000                                                                                                   | 68.5                                                                                    | 19,600                                                                                                          | 15                      |
| 20                                                                                                                                                                                                                                                                    | 48.0                                                                                  | 18,700 | 53.5                                                                                  | 19,100                                                                                                   | 62.0                                                                                    | 19,600                                                                                                          | 20                      |
| 25                                                                                                                                                                                                                                                                    | 34.5                                                                                  | 12,700 | 43.5                                                                                  | 13,000                                                                                                   | 55.0                                                                                    | 13,600                                                                                                          | 25                      |
| 30                                                                                                                                                                                                                                                                    |                                                                                       |        | 31.0                                                                                  | 9,300                                                                                                    | 47.5                                                                                    | 9,800                                                                                                           | 30                      |
| 35                                                                                                                                                                                                                                                                    |                                                                                       |        |                                                                                       |                                                                                                          | 38.5                                                                                    | 7,200                                                                                                           | 35                      |
| 40                                                                                                                                                                                                                                                                    |                                                                                       |        |                                                                                       |                                                                                                          | 27.5                                                                                    | 5,300                                                                                                           | 40                      |
| Min.Bm.<br>Ang./Cap.                                                                                                                                                                                                                                                  | 0.0<br>(30.0)                                                                         | 8,800  | 0.0<br>(34.5)                                                                         | 6,800                                                                                                    | 0.0<br>(44.5)                                                                           | 4,000                                                                                                           | Min.Bm.<br>Ang./Cap.    |
| Load<br>Radius<br>(Ft.)                                                                                                                                                                                                                                               | 60 Ft.                                                                                |        | 70 Ft.                                                                                |                                                                                                          | 80 Ft.                                                                                  |                                                                                                                 | Load<br>Radius<br>(Ft.) |
|                                                                                                                                                                                                                                                                       |  ° | Load   |  ° | Load                                                                                                     |  ° | Load                                                                                                            |                         |
| 20                                                                                                                                                                                                                                                                    | 67.5                                                                                  | 13,900 |                                                                                       |                                                                                                          |                                                                                         |                                                                                                                 | 20                      |
| 25                                                                                                                                                                                                                                                                    | 62.0                                                                                  | 13,900 | 66.5                                                                                  | 10,400                                                                                                   |                                                                                         |                                                                                                                 | 25                      |
| 30                                                                                                                                                                                                                                                                    | 56.0                                                                                  | 10,100 | 62.0                                                                                  | 10,400                                                                                                   | 66.0                                                                                    | 10,500                                                                                                          | 30                      |
| 35                                                                                                                                                                                                                                                                    | 50.0                                                                                  | 7,500  | 57.0                                                                                  | 7,800                                                                                                    | 62.0                                                                                    | 7,900                                                                                                           | 35                      |
| 40                                                                                                                                                                                                                                                                    | 43.0                                                                                  | 5,700  | 51.5                                                                                  | 5,900                                                                                                    | 57.5                                                                                    | 6,000                                                                                                           | 40                      |
| 45                                                                                                                                                                                                                                                                    | 35.0                                                                                  | 4,200  | 46.0                                                                                  | 4,500                                                                                                    | 53.0                                                                                    | 4,600                                                                                                           | 45                      |
| 50                                                                                                                                                                                                                                                                    | 24.5                                                                                  | 3,100  | 39.5                                                                                  | 3,300                                                                                                    | 48.0                                                                                    | 3,500                                                                                                           | 50                      |
| 55                                                                                                                                                                                                                                                                    |                                                                                       |        | 32.5                                                                                  | 2,400                                                                                                    | 43.0                                                                                    | 2,600                                                                                                           | 55                      |
| 60                                                                                                                                                                                                                                                                    |                                                                                       |        | 23.0                                                                                  | 1,700                                                                                                    | 37.0                                                                                    | 1,800                                                                                                           | 60                      |
| Min.Bm.<br>Ang./Cap.                                                                                                                                                                                                                                                  | 0.0<br>(54.5)                                                                         | 2,200  | 14.0<br>(63.1)                                                                        |                                                                                                          | 31.0<br>(64.5)                                                                          |                                                                                                                 | Min.Bm.<br>Ang./Cap.    |
| <div>  <b>WARNING</b> </div> <p>Do Not Lower The Boom Below The Minimum Boom Angle For The Boom Lengths Shown, Since Loss Of Stability Will Occur Causing A Tipping Condition.</p> |                                                                                       |        |                                                                                       |                                                                                                          |                                                                                         |                                                                                                                 |                         |

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

not for crane operations



| Rated Lifting Capacities In Pounds<br>Stationary<br>Boom Centered Over Rear |                                                                                     |        |    |  |  |  |
|-----------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                                             |                                                                                     |        | ON TIRES                                                                            | 7,900# CTWT                                                                       | MAIN BOOM<br>"A"                                                                   |                                                                                     |
| Load<br>Radius<br>(Ft.)                                                     | 35.5 Ft.                                                                            |        | 40 Ft.                                                                              |                                                                                   | Load<br>Radius<br>(Ft.)                                                            |                                                                                     |
|                                                                             |  ° | Load   |  ° | Load                                                                              |                                                                                    |                                                                                     |
| 10                                                                          | 68.0                                                                                | 49,000 | 67.5                                                                                |                                                                                   | 10                                                                                 |                                                                                     |
| 12                                                                          | 64.0                                                                                | 44,800 |                                                                                     | 33,300                                                                            | 12                                                                                 |                                                                                     |
| 15                                                                          | 58.5                                                                                | 33,500 |                                                                                     | 33,300                                                                            | 15                                                                                 |                                                                                     |
| 20                                                                          | 48.0                                                                                | 21,200 |                                                                                     | 21,000                                                                            | 20                                                                                 |                                                                                     |
| 25                                                                          | 34.5                                                                                | 14,500 |                                                                                     | 14,400                                                                            | 25                                                                                 |                                                                                     |
| 30                                                                          |                                                                                     |        | 31.0                                                                                | 10,300                                                                            | 30                                                                                 |                                                                                     |
| Min.Bm.<br>Ang./Cap.                                                        | 0.0<br>(30.0)                                                                       | 10,300 | 0.0<br>(34.5)                                                                       | 7,600                                                                             | Min.Bm.<br>Ang./Cap.                                                               |                                                                                     |

| Load Radius (Ft.) | 50 Ft.         |        | 60.3 Ft.       |        | Load Radius (Ft.) |
|-------------------|----------------|--------|----------------|--------|-------------------|
|                   | $\angle^\circ$ | Load   | $\angle^\circ$ | Load   |                   |
| 15                | 68.5           | 20,700 | 67.5           |        | 15                |
| 20                | 62.0           | 20,700 |                | 14,000 | 20                |
| 25                | 55.0           | 14,100 |                | 14,000 | 25                |
| 30                | 47.5           | 10,100 |                | 9,900  | 30                |
| 35                | 38.5           | 7,300  |                | 7,200  | 35                |
| 40                | 27.5           | 5,300  | 43.5           | 5,100  | 40                |
| 45                |                |        | 35.5           | 3,600  | 45                |
| 50                |                |        | 25.5           | 2,400  | 50                |
| Min.Bm. Ang./Cap. | 0.0 (44.5)     | 3,800  | 8.5 (54.5)     |        | Min.Bm. Ang./Cap. |

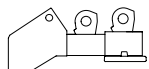
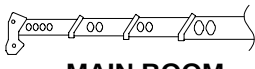
**WARNING**

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

not for crane operations



| <b>Rated Lifting Capacities In Pounds</b><br><b>Stationary</b><br><b>Boom Centered Over Rear</b> |                |                                                                                                      |                |                                                                                                          |                |                                                                                                             |                   |
|--------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------|-------------------|
|                                                                                                  |                | <br><b>ON TIRES</b> |                | <br><b>7,900# CTWT</b> |                | <br><b>MAIN BOOM "B"</b> |                   |
| Load Radius (Ft.)                                                                                | 35.5 Ft.       |                                                                                                      | 40 Ft.         |                                                                                                          | 50 Ft.         |                                                                                                             | Load Radius (Ft.) |
|                                                                                                  | $\angle^\circ$ | Load                                                                                                 | $\angle^\circ$ | Load                                                                                                     | $\angle^\circ$ | Load                                                                                                        |                   |
| 10                                                                                               | 68.0           | 49,000                                                                                               |                |                                                                                                          |                |                                                                                                             | 10                |
| 12                                                                                               | 64.0           | 44,800                                                                                               | 67.5           | 37,900                                                                                                   |                |                                                                                                             | 12                |
| 15                                                                                               | 58.5           | 33,500                                                                                               | 62.5           | 33,900                                                                                                   | 68.5           | 22,100                                                                                                      | 15                |
| 20                                                                                               | 48.0           | 21,200                                                                                               | 53.5           | 21,500                                                                                                   | 62.0           | 22,100                                                                                                      | 20                |
| 25                                                                                               | 34.5           | 14,500                                                                                               | 43.5           | 14,900                                                                                                   | 55.0           | 15,400                                                                                                      | 25                |
| 30                                                                                               |                |                                                                                                      | 31.0           | 10,800                                                                                                   | 47.5           | 11,300                                                                                                      | 30                |
| 35                                                                                               |                |                                                                                                      |                |                                                                                                          | 38.5           | 8,500                                                                                                       | 35                |
| 40                                                                                               |                |                                                                                                      |                |                                                                                                          | 27.5           | 6,400                                                                                                       | 40                |
| Min.Bm. Ang./Cap.                                                                                | 0.0 (30.0)     | 10,300                                                                                               | 0.0 (34.5)     | 8,100                                                                                                    | 0.0 (44.5)     | 4,900                                                                                                       | Min.Bm. Ang./Cap. |

| Load Radius (Ft.) | 60 Ft.         |        | 70 Ft.         |        | 80 Ft.         |        | Load Radius (Ft.) |
|-------------------|----------------|--------|----------------|--------|----------------|--------|-------------------|
|                   | $\angle^\circ$ | Load   | $\angle^\circ$ | Load   | $\angle^\circ$ | Load   |                   |
| 20                | 67.5           | 15,700 |                |        |                |        | 20                |
| 25                | 62.0           | 15,700 | 66.5           | 11,800 |                |        | 25                |
| 30                | 56.0           | 11,600 | 62.0           | 11,800 | 66.0           | 12,000 | 30                |
| 35                | 50.0           | 8,800  | 57.0           | 9,000  | 62.0           | 9,200  | 35                |
| 40                | 43.0           | 6,800  | 51.5           | 7,000  | 57.5           | 7,100  | 40                |
| 45                | 35.0           | 5,200  | 46.0           | 5,400  | 53.0           | 5,600  | 45                |
| 50                | 25.0           | 4,000  | 40.0           | 4,200  | 48.5           | 4,300  | 50                |
| 55                |                |        | 32.5           | 3,200  | 43.0           | 3,400  | 55                |
| 60                |                |        | 23.0           | 2,400  | 37.0           | 2,500  | 60                |
| 65                |                |        |                |        | 30.5           | 1,900  | 65                |
| 70                |                |        |                |        | 21.5           | 1,300  | 70                |
| Min.Bm. Ang./Cap. | 0.0 (54.5)     | 3,000  | 0.0 (64.5)     | 1,700  | 20.5 (70.4)    |        | Min.Bm. Ang./Cap. |

|                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|
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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|

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

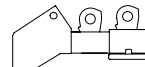
not for crane operations



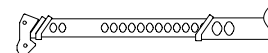
**Rated Lifting Capacities In Pounds**  
**Pick & Carry – 1 MPH**  
**Boom Centered Over Rear**



ON TIRES



7,900# CTWT

MAIN BOOM  
"A"

| Load Radius (Ft.) | 35.5 Ft.       |        | 40 Ft.         |        | Load Radius (Ft.) |
|-------------------|----------------|--------|----------------|--------|-------------------|
|                   | $\angle^\circ$ | Load   | $\angle^\circ$ | Load   |                   |
| 10                | 68.0           | 36,200 |                |        | 10                |
| 12                | 64.0           | 33,000 | 67.5           | 32,800 | 12                |
| 15                | 58.5           | 28,800 | 62.5           | 28,700 | 15                |
| 20                | 48.0           | 21,200 | 53.5           | 21,000 | 20                |
| 25                | 34.5           | 14,500 | 43.5           | 14,400 | 25                |
| 30                |                |        | 31.0           | 10,300 | 30                |
| Min.Bm. Ang./Cap. | 0.0 (30.0)     | 10,300 | 0.0 (34.5)     | 7,600  | Min.Bm. Ang./Cap. |

| Load Radius (Ft.) | 50 Ft.         |        | 60.3 Ft.       |        | Load Radius (Ft.) |
|-------------------|----------------|--------|----------------|--------|-------------------|
|                   | $\angle^\circ$ | Load   | $\angle^\circ$ | Load   |                   |
| 15                | 68.5           | 20,700 |                |        | 15                |
| 20                | 62.0           | 20,700 | 67.5           | 14,000 | 20                |
| 25                | 55.0           | 14,100 | 62.5           | 14,000 | 25                |
| 30                | 47.5           | 10,100 | 56.5           | 9,900  | 30                |
| 35                | 38.5           | 7,300  | 50.5           | 7,200  | 35                |
| 40                | 27.5           | 5,300  | 43.5           | 5,100  | 40                |
| 45                |                |        | 35.5           | 3,600  | 45                |
| 50                |                |        | 25.5           | 2,400  | 50                |
| Min.Bm. Ang./Cap. | 0.0 (44.5)     | 3,800  | 8.5 (54.5)     |        | Min.Bm. Ang./Cap. |

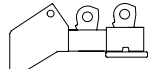
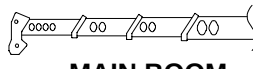
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not for crane operations

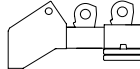
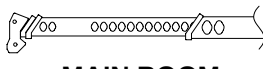


| <b>Rated Lifting Capacities In Pounds</b><br><b>Pick &amp; Carry – 1 MPH</b><br><b>Boom Centered Over Rear</b>                                                                                                                                                                        |                |        |                |                                                                                                          |                |                                                                                                             |                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------|----------------|----------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------|-------------------|
| <br><b>ON TIRES</b>                                                                                                                                                                                  |                |        |                | <br><b>7,900# CTWT</b> |                | <br><b>MAIN BOOM "B"</b> |                   |
| Load Radius (Ft.)                                                                                                                                                                                                                                                                     | 35.5 Ft.       |        | 40 Ft.         |                                                                                                          | 50 Ft.         |                                                                                                             | Load Radius (Ft.) |
|                                                                                                                                                                                                                                                                                       | $\angle^\circ$ | Load   | $\angle^\circ$ | Load                                                                                                     | $\angle^\circ$ | Load                                                                                                        |                   |
| 10                                                                                                                                                                                                                                                                                    | 68.0           | 36,200 |                |                                                                                                          |                |                                                                                                             | 10                |
| 12                                                                                                                                                                                                                                                                                    | 64.0           | 33,000 | 67.5           | 33,100                                                                                                   |                |                                                                                                             | 12                |
| 15                                                                                                                                                                                                                                                                                    | 58.5           | 28,800 | 62.5           | 29,000                                                                                                   | 68.5           | 22,100                                                                                                      | 15                |
| 20                                                                                                                                                                                                                                                                                    | 48.0           | 21,200 | 53.5           | 21,500                                                                                                   | 62.0           | 22,100                                                                                                      | 20                |
| 25                                                                                                                                                                                                                                                                                    | 34.5           | 14,500 | 43.5           | 14,900                                                                                                   | 55.0           | 15,400                                                                                                      | 25                |
| 30                                                                                                                                                                                                                                                                                    |                |        | 31.0           | 10,800                                                                                                   | 47.5           | 11,300                                                                                                      | 30                |
| 35                                                                                                                                                                                                                                                                                    |                |        |                |                                                                                                          | 38.5           | 8,500                                                                                                       | 35                |
| 40                                                                                                                                                                                                                                                                                    |                |        |                |                                                                                                          | 27.5           | 6,400                                                                                                       | 40                |
| Min.Bm. Ang./Cap.                                                                                                                                                                                                                                                                     | 0.0 (30.0)     | 10,300 | 0.0 (34.5)     | 8,100                                                                                                    | 0.0 (44.5)     | 4,900                                                                                                       | Min.Bm. Ang./Cap. |
| Load Radius (Ft.)                                                                                                                                                                                                                                                                     | 60 Ft.         |        | 70 Ft.         |                                                                                                          | 80 Ft.         |                                                                                                             | Load Radius (Ft.) |
|                                                                                                                                                                                                                                                                                       | $\angle^\circ$ | Load   | $\angle^\circ$ | Load                                                                                                     | $\angle^\circ$ | Load                                                                                                        |                   |
| 20                                                                                                                                                                                                                                                                                    | 67.5           | 15,700 |                |                                                                                                          |                |                                                                                                             | 20                |
| 25                                                                                                                                                                                                                                                                                    | 62.0           | 15,700 | 66.5           | 11,800                                                                                                   |                |                                                                                                             | 25                |
| 30                                                                                                                                                                                                                                                                                    | 56.0           | 11,600 | 62.0           | 11,800                                                                                                   | 66.0           | 12,000                                                                                                      | 30                |
| 35                                                                                                                                                                                                                                                                                    | 50.0           | 8,800  | 57.0           | 9,000                                                                                                    | 62.0           | 9,200                                                                                                       | 35                |
| 40                                                                                                                                                                                                                                                                                    | 43.0           | 6,800  | 51.5           | 7,000                                                                                                    | 57.5           | 7,100                                                                                                       | 40                |
| 45                                                                                                                                                                                                                                                                                    | 35.0           | 5,200  | 46.0           | 5,400                                                                                                    | 53.0           | 5,600                                                                                                       | 45                |
| 50                                                                                                                                                                                                                                                                                    | 25.0           | 4,000  | 40.0           | 4,200                                                                                                    | 48.5           | 4,300                                                                                                       | 50                |
| 55                                                                                                                                                                                                                                                                                    |                |        | 32.5           | 3,200                                                                                                    | 43.0           | 3,400                                                                                                       | 55                |
| 60                                                                                                                                                                                                                                                                                    |                |        | 23.0           | 2,400                                                                                                    | 37.0           | 2,500                                                                                                       | 60                |
| 65                                                                                                                                                                                                                                                                                    |                |        |                |                                                                                                          | 30.5           | 1,900                                                                                                       | 65                |
| 70                                                                                                                                                                                                                                                                                    |                |        |                |                                                                                                          | 21.5           | 1,300                                                                                                       | 70                |
| Min.Bm. Ang./Cap.                                                                                                                                                                                                                                                                     | 0.0 (54.5)     | 3,000  | 0.0 (64.5)     | 1,700                                                                                                    | 20.5 (70.4)    |                                                                                                             | Min.Bm. Ang./Cap. |
| <div>  <b>WARNING</b><br/>           Do Not Lower The Boom Below The Minimum Boom Angle For The Boom Lengths Shown, Since Loss Of Stability Will Occur Causing A Tipping Condition.         </div> |                |        |                |                                                                                                          |                |                                                                                                             |                   |

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

not for crane operations

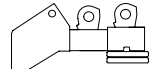
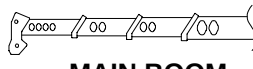


| Rated Lifting Capacities In Pounds<br>Stationary<br>Boom Centered Over Rear |                                                                                     |        | <br>ON TIRES | <br>11,500# CTWT | <br>MAIN BOOM<br>"A" |
|-----------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Load<br>Radius<br>(Ft.)                                                     | 35.5 Ft.                                                                            |        | 40 Ft.                                                                                        |                                                                                                    | Load<br>Radius<br>(Ft.)                                                                                 |
|                                                                             |  ° | Load   |  °           | Load                                                                                               |                                                                                                         |
| 10                                                                          | 68.0                                                                                | 49,000 | 67.5<br>62.5<br>53.5<br>43.5<br>31.0                                                          |                                                                                                    | 10                                                                                                      |
| 12                                                                          | 64.0                                                                                | 44,800 |                                                                                               | 36,800                                                                                             | 12                                                                                                      |
| 15                                                                          | 58.5                                                                                | 37,000 |                                                                                               | 36,800                                                                                             | 15                                                                                                      |
| 20                                                                          | 48.0                                                                                | 23,600 |                                                                                               | 23,400                                                                                             | 20                                                                                                      |
| 25                                                                          | 34.5                                                                                | 16,400 |                                                                                               | 16,200                                                                                             | 25                                                                                                      |
| 30                                                                          |                                                                                     |        |                                                                                               | 11,800                                                                                             | 30                                                                                                      |
| Min.Bm.<br>Ang./Cap.                                                        | 0.0<br>(30.0)                                                                       | 11,800 | 0.0<br>(34.5)                                                                                 | 8,900                                                                                              | Min.Bm.<br>Ang./Cap.                                                                                    |

| Load Radius (Ft.)    | 50 Ft.         |        | 60.3 Ft.                                             |        | Load Radius (Ft.)    |
|----------------------|----------------|--------|------------------------------------------------------|--------|----------------------|
|                      | $\angle^\circ$ | Load   | $\angle^\circ$                                       | Load   |                      |
| 15                   | 69.0           | 23,100 | 68.0<br>62.5<br>56.5<br>50.5<br>43.5<br>35.5<br>25.5 |        | 15                   |
| 20                   | 62.0           | 23,100 |                                                      | 15,800 | 20                   |
| 25                   | 55.5           | 16,000 |                                                      | 15,800 | 25                   |
| 30                   | 47.5           | 11,600 |                                                      | 11,400 | 30                   |
| 35                   | 38.5           | 8,600  |                                                      | 8,400  | 35                   |
| 40                   | 27.5           | 6,400  |                                                      | 6,200  | 40                   |
| 45                   |                |        |                                                      | 4,600  | 45                   |
| 50                   |                |        |                                                      | 3,200  | 50                   |
| Min.Bm.<br>Ang./Cap. | 0.0<br>(44.5)  | 4,700  | 0.0<br>(54.8)                                        | 2,200  | Min.Bm.<br>Ang./Cap. |

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



| <b>Rated Lifting Capacities In Pounds</b><br><b>Stationary</b><br><b>Boom Centered Over Rear</b> |                |                                                                                                                                                                                        |                |                                                                                                           |                |                                                                                                             |                   |
|--------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------|-------------------|
|                                                                                                  |                |  <br><b>ON TIRES</b> |                | <br><b>11,500# CTWT</b> |                | <br><b>MAIN BOOM "B"</b> |                   |
| Load Radius (Ft.)                                                                                | 35.5 Ft.       |                                                                                                                                                                                        | 40 Ft.         |                                                                                                           | 50 Ft.         |                                                                                                             | Load Radius (Ft.) |
|                                                                                                  | $\angle^\circ$ | Load                                                                                                                                                                                   | $\angle^\circ$ | Load                                                                                                      | $\angle^\circ$ | Load                                                                                                        |                   |
| 10                                                                                               | 68.0           | 49,000                                                                                                                                                                                 |                |                                                                                                           |                |                                                                                                             | 10                |
| 12                                                                                               | 64.0           | 44,800                                                                                                                                                                                 | 67.5           | 37,900                                                                                                    |                |                                                                                                             | 12                |
| 15                                                                                               | 58.5           | 37,000                                                                                                                                                                                 | 62.5           | 37,400                                                                                                    | 68.5           | 24,500                                                                                                      | 15                |
| 20                                                                                               | 48.0           | 23,600                                                                                                                                                                                 | 53.5           | 23,900                                                                                                    | 62.0           | 24,500                                                                                                      | 20                |
| 25                                                                                               | 34.5           | 16,400                                                                                                                                                                                 | 43.5           | 16,700                                                                                                    | 55.0           | 17,300                                                                                                      | 25                |
| 30                                                                                               |                |                                                                                                                                                                                        | 31.0           | 12,300                                                                                                    | 47.5           | 12,800                                                                                                      | 30                |
| 35                                                                                               |                |                                                                                                                                                                                        |                |                                                                                                           | 38.5           | 9,700                                                                                                       | 35                |
| 40                                                                                               |                |                                                                                                                                                                                        |                |                                                                                                           | 27.5           | 7,500                                                                                                       | 40                |
| Min.Bm. Ang./Cap.                                                                                | 0.0 (30.0)     | 11,800                                                                                                                                                                                 | 0.0 (34.5)     | 9,400                                                                                                     | 0.0 (44.5)     | 5,900                                                                                                       | Min.Bm. Ang./Cap. |

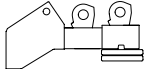
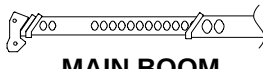
  

| Load Radius (Ft.) | 60 Ft.         |        | 70 Ft.         |        | 80 Ft.         |        | Load Radius (Ft.) |
|-------------------|----------------|--------|----------------|--------|----------------|--------|-------------------|
|                   | $\angle^\circ$ | Load   | $\angle^\circ$ | Load   | $\angle^\circ$ | Load   |                   |
| 20                | 67.5           | 17,600 |                |        |                |        | 20                |
| 25                | 62.0           | 17,600 | 66.5           | 13,300 |                |        | 25                |
| 30                | 56.0           | 13,100 | 62.0           | 13,300 | 66.0           | 13,200 | 30                |
| 35                | 50.0           | 10,100 | 57.0           | 10,300 | 62.0           | 10,500 | 35                |
| 40                | 43.0           | 7,800  | 52.0           | 8,100  | 57.5           | 8,200  | 40                |
| 45                | 35.0           | 6,200  | 46.0           | 6,400  | 53.0           | 6,500  | 45                |
| 50                | 25.0           | 4,800  | 40.0           | 5,000  | 48.5           | 5,200  | 50                |
| 55                |                |        | 32.5           | 4,000  | 43.0           | 4,100  | 55                |
| 60                |                |        | 23.0           | 3,100  | 37.5           | 3,200  | 60                |
| 65                |                |        |                |        | 30.5           | 2,500  | 65                |
| 70                |                |        |                |        | 21.5           | 1,900  | 70                |
| Min.Bm. Ang./Cap. | 0.0 (54.5)     | 3,800  | 0.0 (64.5)     | 2,400  | 0.0 (74.5)     | 1,400  | Min.Bm. Ang./Cap. |

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

not for crane operations



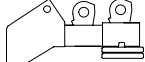
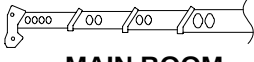
| <b>Rated Lifting Capacities In Pounds</b><br><b>Pick &amp; Carry – 1 MPH</b><br><b>Boom Centered Over Rear</b> |                |                                                                                                      |                                                                                                           |                                                                                                                       |                   |
|----------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-------------------|
|                                                                                                                |                | <br><b>ON TIRES</b> | <br><b>11,500# CTWT</b> | <br><b>MAIN BOOM</b><br><b>"A"</b> |                   |
| Load Radius (Ft.)                                                                                              | 35.5 Ft.       |                                                                                                      | 40 Ft.                                                                                                    |                                                                                                                       | Load Radius (Ft.) |
|                                                                                                                | $\angle^\circ$ | Load                                                                                                 | $\angle^\circ$                                                                                            | Load                                                                                                                  |                   |
| 10                                                                                                             | 68.0           | 36,200                                                                                               |                                                                                                           |                                                                                                                       | 10                |
| 12                                                                                                             | 64.0           | 32,900                                                                                               | 67.5                                                                                                      | 32,800                                                                                                                | 12                |
| 15                                                                                                             | 58.5           | 28,800                                                                                               | 62.5                                                                                                      | 28,700                                                                                                                | 15                |
| 20                                                                                                             | 48.0           | 23,500                                                                                               | 53.5                                                                                                      | 23,400                                                                                                                | 20                |
| 25                                                                                                             | 34.5           | 16,400                                                                                               | 43.5                                                                                                      | 16,200                                                                                                                | 25                |
| 30                                                                                                             |                |                                                                                                      | 31.0                                                                                                      | 11,800                                                                                                                | 30                |
| Min.Bm. Ang./Cap.                                                                                              | 0.0 (30.0)     | 11,800                                                                                               | 0.0 (34.5)                                                                                                | 8,900                                                                                                                 | Min.Bm. Ang./Cap. |

| Load Radius (Ft.) | 50 Ft.         |        | 60.3 Ft.       |        | Load Radius (Ft.) |
|-------------------|----------------|--------|----------------|--------|-------------------|
|                   | $\angle^\circ$ | Load   | $\angle^\circ$ | Load   |                   |
| 15                | 68.5           | 23,100 |                |        | 15                |
| 20                | 62.0           | 23,100 | 68.0           | 15,800 | 20                |
| 25                | 55.5           | 16,000 | 62.5           | 15,800 | 25                |
| 30                | 47.5           | 11,600 | 56.5           | 11,400 | 30                |
| 35                | 38.5           | 8,600  | 50.5           | 8,400  | 35                |
| 40                | 27.5           | 6,400  | 43.5           | 6,200  | 40                |
| 45                |                |        | 35.5           | 4,600  | 45                |
| 50                |                |        | 25.5           | 3,200  | 50                |
| Min.Bm. Ang./Cap. | 0.0 (44.5)     | 4,700  | 0.0 (54.8)     | 2,200  | Min.Bm. Ang./Cap. |

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

not for crane operations



| <b>Rated Lifting Capacities In Pounds</b><br><b>Pick &amp; Carry – 1 MPH</b><br><b>Boom Centered Over Rear</b> |                |        |                |                                                                                                           |                |                                                                                                             |                   |
|----------------------------------------------------------------------------------------------------------------|----------------|--------|----------------|-----------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------|-------------------|
| <br><b>ON TIRES</b>           |                |        |                | <br><b>11,500# CTWT</b> |                | <br><b>MAIN BOOM "B"</b> |                   |
| Load Radius (Ft.)                                                                                              | 35.5 Ft.       |        | 40 Ft.         |                                                                                                           | 50 Ft.         |                                                                                                             | Load Radius (Ft.) |
|                                                                                                                | $\angle^\circ$ | Load   | $\angle^\circ$ | Load                                                                                                      | $\angle^\circ$ | Load                                                                                                        |                   |
| 10                                                                                                             | 68.0           | 36,200 |                |                                                                                                           |                |                                                                                                             | 10                |
| 12                                                                                                             | 64.0           | 32,900 | 67.5           | 33,100                                                                                                    |                |                                                                                                             | 12                |
| 15                                                                                                             | 58.5           | 28,800 | 62.5           | 29,000                                                                                                    | 68.5           | 24,000                                                                                                      | 15                |
| 20                                                                                                             | 48.0           | 23,500 | 53.5           | 23,700                                                                                                    | 62.0           | 24,000                                                                                                      | 20                |
| 25                                                                                                             | 34.5           | 16,400 | 43.5           | 16,700                                                                                                    | 55.0           | 17,300                                                                                                      | 25                |
| 30                                                                                                             |                |        | 31.0           | 12,300                                                                                                    | 47.5           | 12,800                                                                                                      | 30                |
| 35                                                                                                             |                |        |                |                                                                                                           | 38.5           | 9,700                                                                                                       | 35                |
| 40                                                                                                             |                |        |                |                                                                                                           | 27.5           | 7,500                                                                                                       | 40                |
| Min.Bm. Ang./Cap.                                                                                              | 0.0 (30.0)     | 11,800 | 0.0 (34.5)     | 9,400                                                                                                     | 0.0 (44.5)     | 5,900                                                                                                       | Min.Bm. Ang./Cap. |

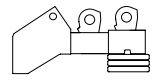
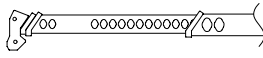
  

| Load Radius (Ft.) | 60 Ft.         |        | 70 Ft.         |        | 80 Ft.         |        | Load Radius (Ft.) |
|-------------------|----------------|--------|----------------|--------|----------------|--------|-------------------|
|                   | $\angle^\circ$ | Load   | $\angle^\circ$ | Load   | $\angle^\circ$ | Load   |                   |
| 20                | 67.5           | 17,600 |                |        |                |        | 20                |
| 25                | 62.0           | 17,600 | 66.5           | 13,300 |                |        | 25                |
| 30                | 56.0           | 13,100 | 62.0           | 13,300 | 66.0           | 13,200 | 30                |
| 35                | 50.0           | 10,100 | 57.0           | 10,300 | 62.0           | 10,500 | 35                |
| 40                | 43.0           | 7,800  | 52.0           | 8,100  | 57.5           | 8,200  | 40                |
| 45                | 35.0           | 6,200  | 46.0           | 6,400  | 53.0           | 6,500  | 45                |
| 50                | 25.0           | 4,800  | 40.0           | 5,000  | 48.5           | 5,200  | 50                |
| 55                |                |        | 32.5           | 4,000  | 43.0           | 4,100  | 55                |
| 60                |                |        | 23.0           | 3,100  | 37.5           | 3,200  | 60                |
| 65                |                |        |                |        | 30.5           | 2,500  | 65                |
| 70                |                |        |                |        | 21.5           | 1,900  | 70                |
| Min.Bm. Ang./Cap. | 0.0 (54.5)     | 3,800  | 0.0 (64.5)     | 2,400  | 0.0 (74.5)     | 1,400  | Min.Bm. Ang./Cap. |

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

not for crane operations



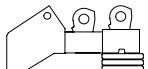
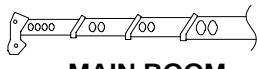
| <b>Rated Lifting Capacities In Pounds</b><br><b>Stationary</b><br><b>Boom Centered Over Rear</b> |                |                                                                                                      |                                                                                                            |                                                                                                                       |                      |
|--------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------|
|                                                                                                  |                | <br><b>ON TIRES</b> | <br><b>15,100 # CTWT</b> | <br><b>MAIN BOOM</b><br><b>"A"</b> |                      |
| Load Radius (Ft.)                                                                                | 35.5 Ft.       |                                                                                                      | 40 Ft.                                                                                                     |                                                                                                                       | Load Radius (Ft.)    |
|                                                                                                  | $\angle^\circ$ | Load                                                                                                 | $\angle^\circ$                                                                                             | Load                                                                                                                  |                      |
| 10                                                                                               | 68.0           | 49,000                                                                                               |                                                                                                            |                                                                                                                       | 10                   |
| 12                                                                                               | 64.0           | 44,800                                                                                               | 67.5                                                                                                       | 44,700                                                                                                                | 12                   |
| 15                                                                                               | 58.5           | 39,600                                                                                               | 62.5                                                                                                       | 39,400                                                                                                                | 15                   |
| 20                                                                                               | 48.0           | 26,000                                                                                               | 54.0                                                                                                       | 25,800                                                                                                                | 20                   |
| 25                                                                                               | 34.5           | 18,200                                                                                               | 43.5                                                                                                       | 18,100                                                                                                                | 25                   |
| 30                                                                                               |                |                                                                                                      | 31.0                                                                                                       | 13,300                                                                                                                | 30                   |
| Min.Bm.<br>Ang./Cap.                                                                             | 0.0<br>(30.0)  | 13,300                                                                                               | 0.0<br>(34.5)                                                                                              | 10,200                                                                                                                | Min.Bm.<br>Ang./Cap. |

| Load Radius (Ft.)    | 50 Ft.         |        | 60.3 Ft.       |        | Load Radius (Ft.)    |
|----------------------|----------------|--------|----------------|--------|----------------------|
|                      | $\angle^\circ$ | Load   | $\angle^\circ$ | Load   |                      |
| 15                   | 69.0           | 25,500 |                |        | 15                   |
| 20                   | 62.5           | 25,500 | 68.0           | 17,700 | 20                   |
| 25                   | 55.5           | 17,900 | 62.5           | 17,700 | 25                   |
| 30                   | 47.5           | 13,100 | 56.5           | 12,900 | 30                   |
| 35                   | 39.0           | 9,800  | 50.5           | 9,700  | 35                   |
| 40                   | 27.5           | 7,400  | 43.5           | 7,300  | 40                   |
| 45                   |                |        | 36.0           | 5,500  | 45                   |
| 50                   |                |        | 25.5           | 4,100  | 50                   |
| Min.Bm.<br>Ang./Cap. | 0.0<br>(44.5)  | 5,700  | 0.0<br>(54.8)  | 2,900  | Min.Bm.<br>Ang./Cap. |

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

not for crane operations



| <b>Rated Lifting Capacities In Pounds</b><br><b>Stationary</b><br><b>Boom Centered Over Rear</b>     |                |        |                |                                                                                                            |                |                                                                                                             |                   |
|------------------------------------------------------------------------------------------------------|----------------|--------|----------------|------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------|-------------------|
| <br><b>ON TIRES</b> |                |        |                | <br><b>15,100 # CTWT</b> |                | <br><b>MAIN BOOM "B"</b> |                   |
| Load Radius (Ft.)                                                                                    | 35.5 Ft.       |        | 40 Ft.         |                                                                                                            | 50 Ft.         |                                                                                                             | Load Radius (Ft.) |
|                                                                                                      | $\angle^\circ$ | Load   | $\angle^\circ$ | Load                                                                                                       | $\angle^\circ$ | Load                                                                                                        |                   |
| 10                                                                                                   | 68.0           | 49,000 |                |                                                                                                            |                |                                                                                                             | 10                |
| 12                                                                                                   | 64.0           | 44,800 | 67.5           | 37,900                                                                                                     |                |                                                                                                             | 12                |
| 15                                                                                                   | 58.5           | 39,600 | 62.5           | 37,900                                                                                                     | 68.5           | 29,200                                                                                                      | 15                |
| 20                                                                                                   | 48.0           | 26,000 | 54.0           | 26,300                                                                                                     | 62.0           | 26,900                                                                                                      | 20                |
| 25                                                                                                   | 34.5           | 18,200 | 43.5           | 18,600                                                                                                     | 55.0           | 19,100                                                                                                      | 25                |
| 30                                                                                                   |                |        | 31.0           | 13,800                                                                                                     | 47.5           | 14,300                                                                                                      | 30                |
| 35                                                                                                   |                |        |                |                                                                                                            | 38.5           | 11,000                                                                                                      | 35                |
| 40                                                                                                   |                |        |                |                                                                                                            | 27.5           | 8,600                                                                                                       | 40                |
| Min.Bm. Ang./Cap.                                                                                    | 0.0 (30.0)     | 13,300 | 0.0 (34.5)     | 10,700                                                                                                     | 0.0 (44.5)     | 6,900                                                                                                       | Min.Bm. Ang./Cap. |

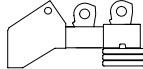
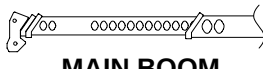
  

| Load Radius (Ft.) | 60 Ft.         |        | 70 Ft.         |        | 80 Ft.         |        | Load Radius (Ft.) |
|-------------------|----------------|--------|----------------|--------|----------------|--------|-------------------|
|                   | $\angle^\circ$ | Load   | $\angle^\circ$ | Load   | $\angle^\circ$ | Load   |                   |
| 20                | 67.5           | 19,500 |                |        |                |        | 20                |
| 25                | 62.0           | 19,500 | 66.5           | 14,800 |                |        | 25                |
| 30                | 56.0           | 14,600 | 62.0           | 14,800 | 66.0           | 14,200 | 30                |
| 35                | 50.0           | 11,300 | 57.0           | 11,600 | 62.0           | 11,700 | 35                |
| 40                | 43.0           | 8,900  | 52.0           | 9,200  | 57.5           | 9,300  | 40                |
| 45                | 35.0           | 7,100  | 46.0           | 7,300  | 53.0           | 7,500  | 45                |
| 50                | 25.0           | 5,700  | 40.0           | 5,900  | 48.5           | 6,100  | 50                |
| 55                |                |        | 32.5           | 4,700  | 43.0           | 4,900  | 55                |
| 60                |                |        | 23.0           | 3,800  | 37.5           | 4,000  | 60                |
| 65                |                |        |                |        | 30.5           | 3,200  | 65                |
| 70                |                |        |                |        | 21.5           | 2,500  | 70                |
| Min.Bm. Ang./Cap. | 0.0 (54.5)     | 4,600  | 0.0 (64.5)     | 3,000  | 0.0 (74.5)     | 1,900  | Min.Bm. Ang./Cap. |

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

not for crane operations

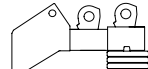
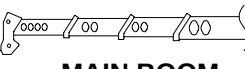


| <b>Rated Lifting Capacities In Pounds</b><br><b>Pick &amp; Carry – 1 MPH</b><br><b>Boom Centered Over Rear</b> |                |                                                                                                      |                                                                                                            |                                                                                                                       |                      |
|----------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------|
|                                                                                                                |                | <br><b>ON TIRES</b> | <br><b>15,100 # CTWT</b> | <br><b>MAIN BOOM</b><br><b>"A"</b> |                      |
| Load Radius (Ft.)                                                                                              | 35.5 Ft.       |                                                                                                      | 40 Ft.                                                                                                     |                                                                                                                       | Load Radius (Ft.)    |
|                                                                                                                | $\angle^\circ$ | Load                                                                                                 | $\angle^\circ$                                                                                             | Load                                                                                                                  |                      |
| 10                                                                                                             | 68.0           | 36,100                                                                                               |                                                                                                            |                                                                                                                       | 10                   |
| 12                                                                                                             | 64.0           | 32,900                                                                                               | 67.5                                                                                                       | 32,800                                                                                                                | 12                   |
| 15                                                                                                             | 58.5           | 28,800                                                                                               | 62.5                                                                                                       | 28,700                                                                                                                | 15                   |
| 20                                                                                                             | 48.0           | 23,500                                                                                               | 53.5                                                                                                       | 23,400                                                                                                                | 20                   |
| 25                                                                                                             | 34.5           | 18,200                                                                                               | 43.5                                                                                                       | 18,100                                                                                                                | 25                   |
| 30                                                                                                             |                |                                                                                                      | 31.0                                                                                                       | 13,300                                                                                                                | 30                   |
| Min.Bm.<br>Ang./Cap.                                                                                           | 0.0<br>(30.0)  | 13,300                                                                                               | 0.0<br>(34.5)                                                                                              | 10,200                                                                                                                | Min.Bm.<br>Ang./Cap. |

| Load Radius (Ft.)    | 50 Ft.         |        | 60.3 Ft.       |        | Load Radius (Ft.)    |
|----------------------|----------------|--------|----------------|--------|----------------------|
|                      | $\angle^\circ$ | Load   | $\angle^\circ$ | Load   |                      |
| 15                   | 68.5           | 23,200 |                |        | 15                   |
| 20                   | 62.0           | 23,200 | 68.0           | 17,700 | 20                   |
| 25                   | 55.5           | 17,900 | 62.5           | 17,700 | 25                   |
| 30                   | 47.5           | 13,100 | 56.5           | 12,900 | 30                   |
| 35                   | 39.0           | 9,800  | 50.5           | 9,700  | 35                   |
| 40                   | 27.5           | 7,400  | 43.5           | 7,300  | 40                   |
| 45                   |                |        | 36.0           | 5,500  | 45                   |
| 50                   |                |        | 25.5           | 4,100  | 50                   |
| Min.Bm.<br>Ang./Cap. | 0.0<br>(44.5)  | 5,700  | 0.0<br>(54.8)  | 2,900  | Min.Bm.<br>Ang./Cap. |

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



| <b>Rated Lifting Capacities In Pounds</b><br><b>Pick &amp; Carry – 1 MPH</b><br><b>Boom Centered Over Rear</b> |                |        |                |                                                                                                            |                |                                                                                                             |                   |
|----------------------------------------------------------------------------------------------------------------|----------------|--------|----------------|------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------|-------------------|
| <br><b>ON TIRES</b>           |                |        |                | <br><b>15,100 # CTWT</b> |                | <br><b>MAIN BOOM "B"</b> |                   |
| Load Radius (Ft.)                                                                                              | 35.5 Ft.       |        | 40 Ft.         |                                                                                                            | 50 Ft.         |                                                                                                             | Load Radius (Ft.) |
|                                                                                                                | $\angle^\circ$ | Load   | $\angle^\circ$ | Load                                                                                                       | $\angle^\circ$ | Load                                                                                                        |                   |
| 10                                                                                                             | 68.0           | 36,100 |                |                                                                                                            |                |                                                                                                             | 10                |
| 12                                                                                                             | 64.0           | 32,900 | 67.5           | 33,100                                                                                                     |                |                                                                                                             | 12                |
| 15                                                                                                             | 58.5           | 28,800 | 62.5           | 29,000                                                                                                     | 68.5           | 29,200                                                                                                      | 15                |
| 20                                                                                                             | 48.0           | 23,500 | 53.5           | 23,700                                                                                                     | 62.0           | 24,000                                                                                                      | 20                |
| 25                                                                                                             | 34.5           | 18,200 | 43.5           | 18,600                                                                                                     | 55.0           | 19,100                                                                                                      | 25                |
| 30                                                                                                             |                |        | 31.0           | 13,800                                                                                                     | 47.5           | 14,300                                                                                                      | 30                |
| 35                                                                                                             |                |        |                |                                                                                                            | 38.5           | 11,000                                                                                                      | 35                |
| 40                                                                                                             |                |        |                |                                                                                                            | 27.5           | 8,600                                                                                                       | 40                |
| Min.Bm. Ang./Cap.                                                                                              | 0.0 (30.0)     | 13,300 | 0.0 (34.5)     | 10,700                                                                                                     | 0.0 (44.5)     | 6,900                                                                                                       | Min.Bm. Ang./Cap. |

| Load Radius (Ft.) | 60 Ft.         |        | 70 Ft.         |        | 80 Ft.         |        | Load Radius (Ft.) |
|-------------------|----------------|--------|----------------|--------|----------------|--------|-------------------|
|                   | $\angle^\circ$ | Load   | $\angle^\circ$ | Load   | $\angle^\circ$ | Load   |                   |
| 20                | 67.5           | 19,500 |                |        |                |        | 20                |
| 25                | 62.0           | 19,500 | 66.5           | 14,800 |                |        | 25                |
| 30                | 56.0           | 14,600 | 62.0           | 14,800 | 66.0           | 14,200 | 30                |
| 35                | 50.0           | 11,300 | 57.0           | 11,600 | 62.0           | 11,700 | 35                |
| 40                | 43.0           | 8,900  | 52.0           | 9,200  | 57.5           | 9,300  | 40                |
| 45                | 35.0           | 7,100  | 46.0           | 7,300  | 53.0           | 7,500  | 45                |
| 50                | 25.0           | 5,700  | 40.0           | 5,900  | 48.5           | 6,100  | 50                |
| 55                |                |        | 32.5           | 4,700  | 43.0           | 4,900  | 55                |
| 60                |                |        | 23.0           | 3,800  | 37.5           | 4,000  | 60                |
| 65                |                |        |                |        | 30.5           | 3,200  | 65                |
| 70                |                |        |                |        | 21.5           | 2,500  | 70                |
| Min.Bm. Ang./Cap. | 0.0 (54.5)     | 4,600  | 0.0 (64.5)     | 3,000  | 0.0 (74.5)     | 1,900  | Min.Bm. Ang./Cap. |

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

not for crane operations