HTC-8670LB

TELESCOPIC TRUCK CRANE
70-Ton *(63.50 mt)*

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

Link-Belt®
CONSTRUCTION EQUIPMENT

THE HTC-8670LB

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

Service Continues After The Sale

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

KEY FEATURES

Base Rating
- 70-ton nominal rating

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

Attachments
- 39.5-foot, one-stage swing-away fly with 2, 20 and 40 degree offsets (new)
- 39.5 to 67 feet, two-stage swing-away fly with 2, 20 and 40 degree offsets (new)

  No deducts in capacity for stowed attachments (new)

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

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

Rated Capacity Limiter
Microguard 434 System:
- Pictographic display
- Presettable alarms
- Operator defined area alarms

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

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

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

CALC
- Confined Area Lifting Capacities

Pre-Paint
- All components are pre-painted prior to assembly

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

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

Link-Belt Construction Equipment Company
Lexington, Kentucky

Link-Belt®
CONSTRUCTION EQUIPMENT

Link-Belt®
CONSTRUCTION EQUIPMENT

HTC – 8670 LB

CRANE RATING MANUAL
4 – SECTION POWER BOOM

SERIAL NUMBER _____

For Replacement, Order Part Number: F2P0159
(021599)

Table Of Contents

⚠ WARNING

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

OPERATING INSTRUCTIONS

GENERAL:

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

SET UP:

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

OPERATION:

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

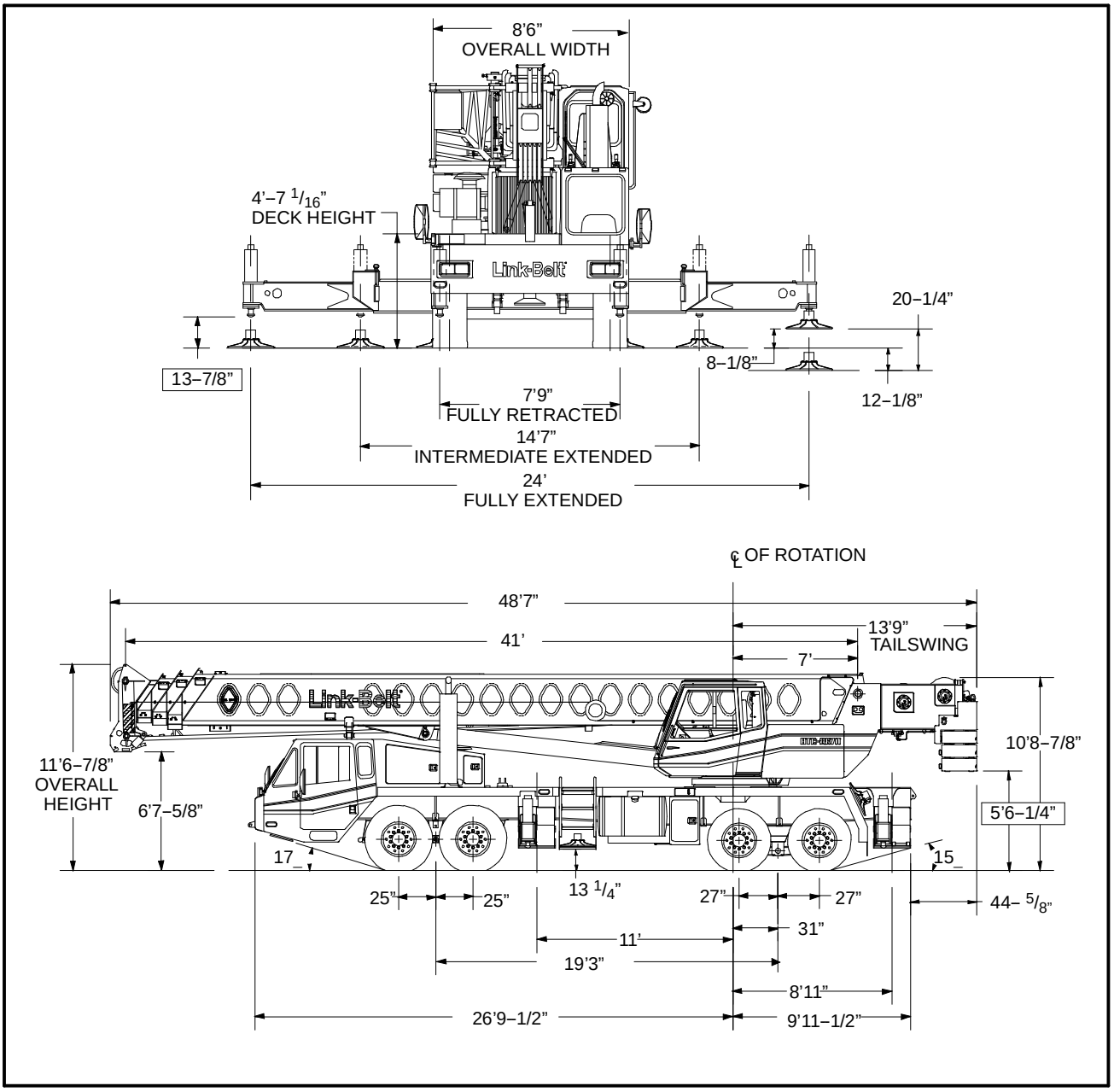
erected, but not used, see Capacity Deductions For Auxiliary Load Handling Equipment.

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

DEFINITIONS:

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

GENERAL DIMENSIONS



TIRE INFLATION

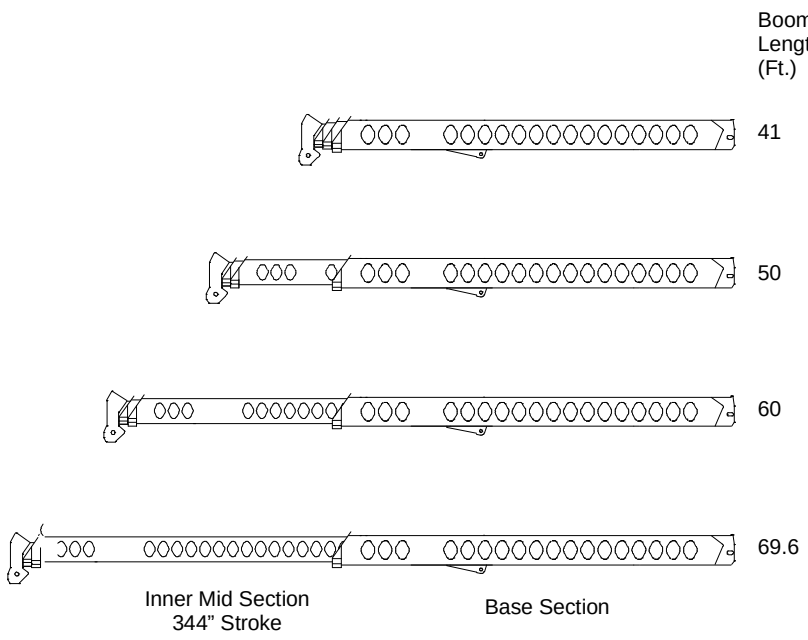
Tire Size	Operation	Tire Pressure (PSI)
12 R 22.5	1 MPH Stationary	120 120

PONTOON LOADINGS

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

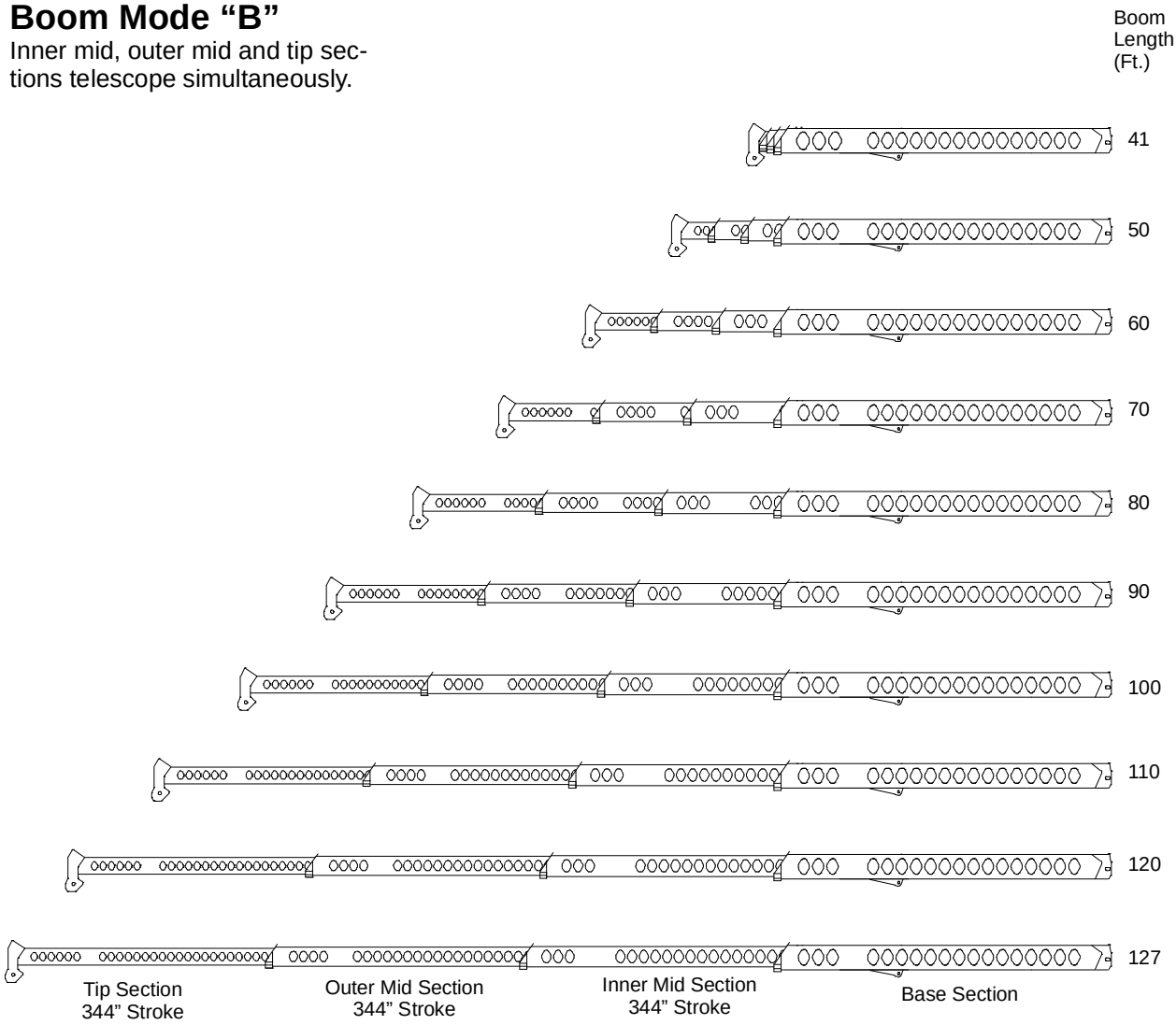
Boom Mode “A”

Only inner mid section telescopes.



Boom Mode “B”

Inner mid, outer mid and tip sections telescope simultaneously.



WINCH PERFORMANCE

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

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

WIRE ROPE CAPACITY

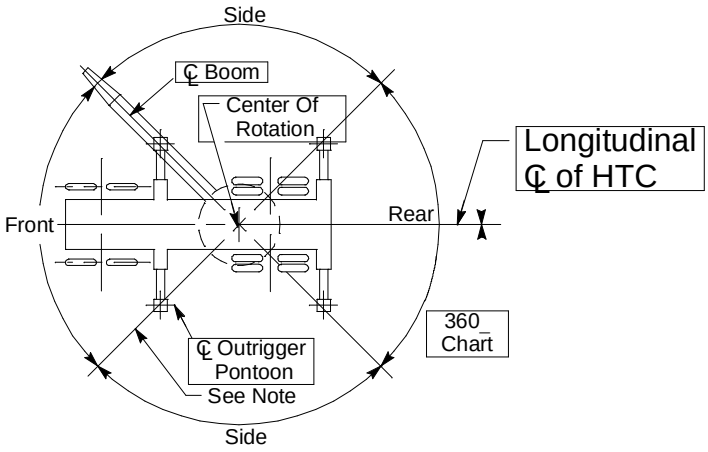
Maximum Lifting Capacities Based On Wire Rope Strength			
Parts of Line	3/4" Type RB	3/4" Type ZB	Notes
1	12,920*	15,600	Capacities shown are in pounds and working loads must not exceed the ratings on the capacity charts in the Crane Rating Manual.
2	25,840	31,200	
3	38,760	46,800	
4	51,680	62,400	Study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

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

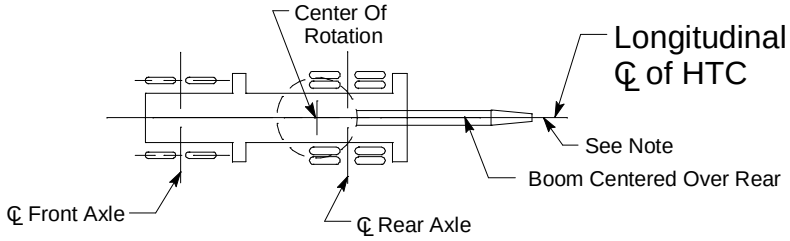
HYDRAULIC CIRCUIT PRESSURE SETTINGS

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

WORKING AREAS



HTC On Outriggers



HTC On Tires

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

CAPACITY DEDUCTIONS FOR AUXILIARY LOAD HANDLING EQUIPMENT

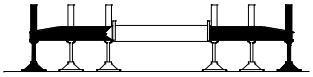
Load Handling Equipment	Weight (Lbs.)
Auxiliary Head Attached	100
40 Ton Quick Reeve 4 Sheave Hook Block (See Hook Block For Actual Weight)	720
60 Ton Quick Reeve 4 Sheave Hook Block (See Hook Block For Actual Weight)	1100
70 Ton Quick Reeve 5 Sheave Hook Block (See Hook Block For Actual Weight)	1400
8.5 Ton Hook Ball (See Hook Ball For Actual Weight)	360

Lifting From Main Boom With:	
39.5 Ft. Or 67 Ft. Fly Stowed On Base (See Operation Note 4)	0
39.5 Ft. Offset Fly Erected But Not Used	4100
67 Ft. Offset Fly Erected But Not Used	8200

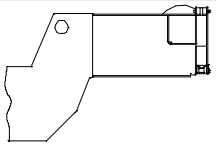
Lifting From 39.5 Ft. Offset Fly With:	
27.5 Ft. Fly Tip Erected But Not Used	**PROHIBITED**
27.5 Ft. Fly Tip Stowed On 39.5 Ft. Offset Fly	**PROHIBITED**

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

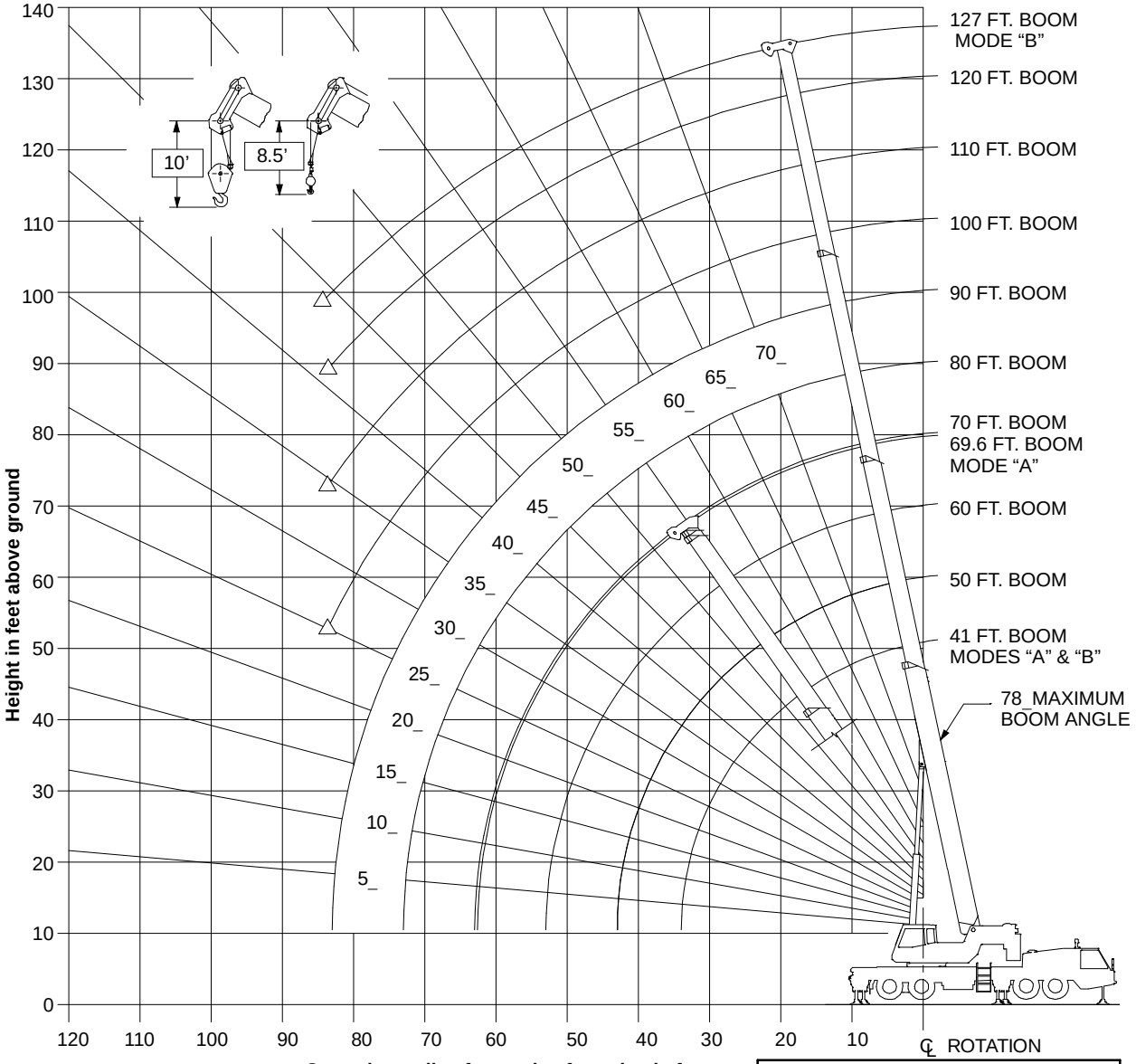
WORKING RANGE DIAGRAM



Fully Extended Outriggers



0# Counterweight



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

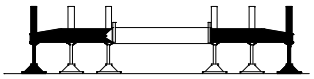
△ **Denotes Main Boom--Boom Mode "B"**

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

⚠ WARNING

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

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



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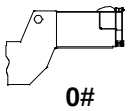

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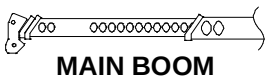


MAIN BOOM "A"

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

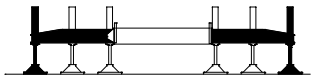
Load Radius (Ft.)	60 Ft.			69.6 Ft.			Load Radius (Ft.)
	(°	360°	Over Rear	(°	360°	Over Rear	
10	76.5	74,000	74,000				10
12	74.5	74,000	74,000	76.5	43,900	43,900	12
15	71.5	74,000	74,000	74.5	43,900	43,900	15
20	66.0	64,600	64,600	70.0	43,900	43,900	20
25	60.5	42,800	42,800	65.5	42,300	42,300	25
30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

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

(° Loaded Boom Angle In Degrees.

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

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



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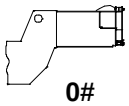

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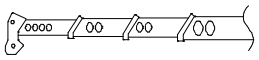


MAIN BOOM "B"

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

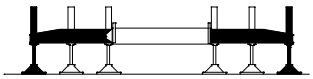
Load Radius (Ft.)	60 Ft.			70 Ft.			Load Radius (Ft.)
	(°	360°	Over Rear	(°	360°	Over Rear	
10	76.0	38,000	38,000				10
12	74.0	38,000	38,000	76.5	38,000	38,000	12
15	71.0	38,000	38,000	74.5	38,000	38,000	15
20	66.0	38,000	38,000	70.0	38,000	38,000	20
25	60.5	38,000	38,000	65.5	38,000	38,000	25
30	54.5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

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

(° Loaded Boom Angle In Degrees.

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

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



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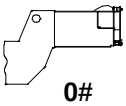

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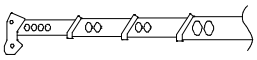


MAIN BOOM "B"

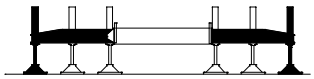
Load Radius (Ft.)	80 Ft.			90Ft.			100 Ft.			Load Radius (Ft.)
	(°	360°	Over Rear	(°	360°	Over Rear	(°	360°	Over Rear	
15	76.5	38,000	38,000							15
20	73.0	38,000	38,000	75.0	38,000	38,000	77.0	37,400	37,400	20
25	69.0	38,000	38,000	72.0	38,000	38,000	74.0	32,700	32,700	25
30	65.0	33,500	33,500	68.5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

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

(° Loaded Boom Angle In Degrees.

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

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



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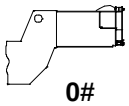

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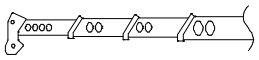


MAIN BOOM "B"

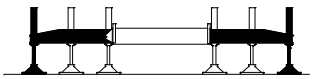
Load Radius (Ft.)	110 Ft.			120 Ft.			127 Ft.			Load Radius (Ft.)
	(°	360°	Over Rear	(°	360°	Over Rear	(°	360°	Over Rear	
25	76.0	29,400	29,400	77.5	23,300	23,300	78.0*	19,600	19,600	25
30	73.5	26,200	26,200	75.0	23,300	23,300	76.0	19,600	19,600	30
35	70.5	23,500	23,500	72.5	21,500	21,500	74.0	19,600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

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

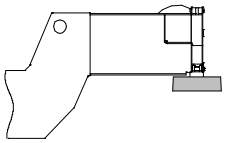
(° Loaded Boom Angle In Degrees.

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

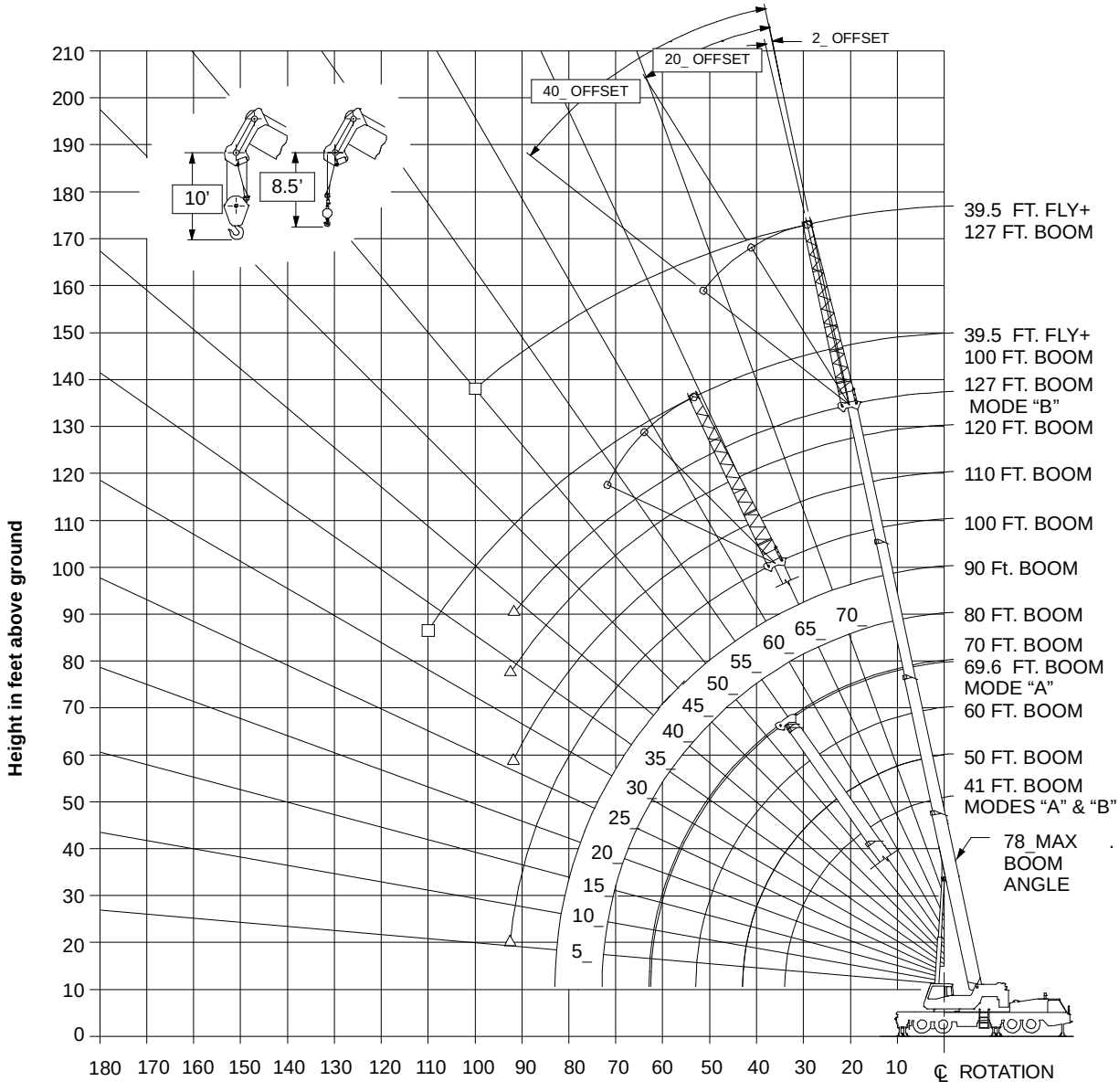
WORKING RANGE DIAGRAM



Fully Extended Outriggers



4,000# Counterweight



Crane Configurations Prohibited:
67 Ft. Offset Fly

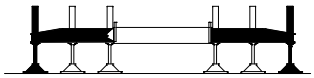
Denotes Main Boom + 39.5' Fly--Boom Mode "B"
△ **Denotes Main Boom--Boom Mode "B"**

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

⚠ WARNING

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

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



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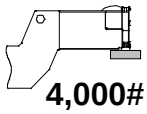

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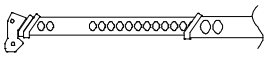


MAIN BOOM "A"

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

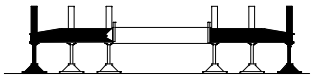
Load Radius (Ft.)	60 Ft.			69.6 Ft.			Load Radius (Ft.)
	(°	360°	Over Rear	(°	360°	Over Rear	
10	76.5	74,000	74,000				10
12	74.5	74,000	74,000	76.5	43,900	43,900	12
15	71.5	74,000	74,000	74.5	43,900	43,900	15
20	66.0	67,100	67,100	70.0	43,900	43,900	20
25	60.5	47,400	47,400	65.5	43,900	43,900	25
30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

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

(° Loaded Boom Angle In Degrees.

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

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



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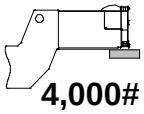

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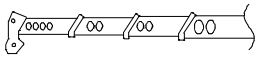


MAIN BOOM "B"

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

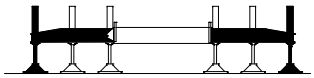
Load Radius (Ft.)	60 Ft.			70 Ft.			Load Radius (Ft.)
	(°	360°	Over Rear	(°	360°	Over Rear	
10	76.0	38,000	38,000				10
12	74.0	38,000	38,000	76.5	38,000	38,000	12
15	71.0	38,000	38,000	74.5	38,000	38,000	15
20	66.0	38,000	38,000	70.0	38,000	38,000	20
25	60.5	38,000	38,000	65.5	38,000	38,000	25
30	54.5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

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

(° Loaded Boom Angle In Degrees.

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

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



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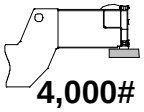

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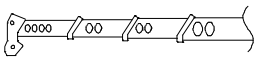


MAIN BOOM "B"

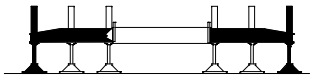
Load Radius (Ft.)	80 Ft.			90 Ft.			100 Ft.			Load Radius (Ft.)
	(°	360°	Over Rear	(°	360°	Over Rear	(°	360°	Over Rear	
15	76.5	38,000	38,000							15
20	73.0	38,000	38,000	75.0	38,000	38,000	77.0	37,400	37,400	20
25	69.0	38,000	38,000	72.0	38,000	38,000	74.0	32,700	32,700	25
30	65.0	36,900	36,900	68.5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

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

(° Loaded Boom Angle In Degrees.

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

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



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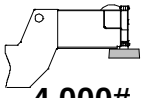

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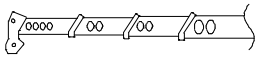


MAIN BOOM "B"

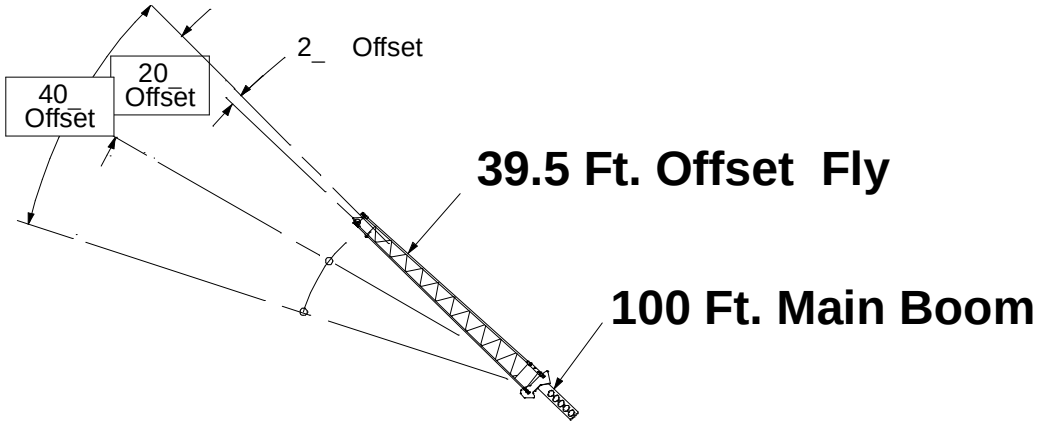
Load Radius (Ft.)	110 Ft.			120 Ft.			127 Ft.			Load Radius (Ft.)
	(°	360°	Over Rear	(°	360°	Over Rear	(°	360°	Over Rear	
25	76.0	29,400	29,400	77.5	23,300	23,300	78.0*	19,600	19,600	25
30	73.5	26,200	26,200	75.0	23,300	23,300	76.0	19,600	19,600	30
35	70.5	23,500	23,500	72.5	21,500	21,500	74.0	19,600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

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

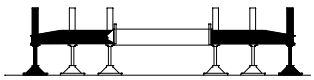
(° Loaded Boom Angle In Degrees.

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

*** This capacity based on maximum obtainable boom angle.**



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



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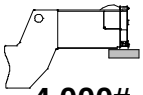

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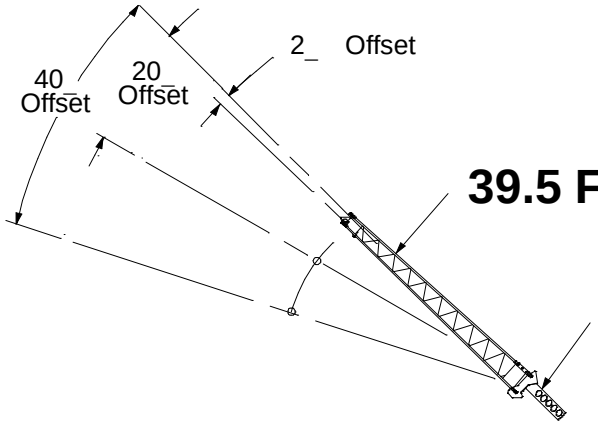
Load Radius (Ft.)	2_ Offset		20_ Offset		40_ Offset		Load Radius (Ft.)
	(°	360°	(°	360°	(°	360°	
30	77.0	13,900					30
35	75.0	13,400					35
40	73.0	12,800					40
45	71.0	12,200	76.0	9,400			45
50	69.0	11,700	74.0	8,900			50
55	67.0	11,100	71.5	8,500	76.0	6,600	55
60	64.5	10,600	69.5	8,100	73.5	6,400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

⚠ WARNING

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

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

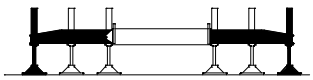
(° Loaded Boom Angle In Degrees.



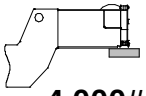
39.5 Ft. Offset Fly

127 Ft. Main Boom

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



FULL



4,000#

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

⚠ WARNING

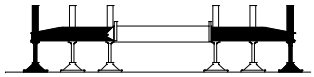
Do Not Lower 39.5 Ft. Offset Fly In Working Position Below 50 Degrees Main Boom Angle Unless Main Boom Length Is 84 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

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

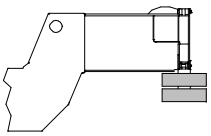
(° Loaded Boom Angle In Degrees.

*** This capacity based on maximum obtainable boom angle.**

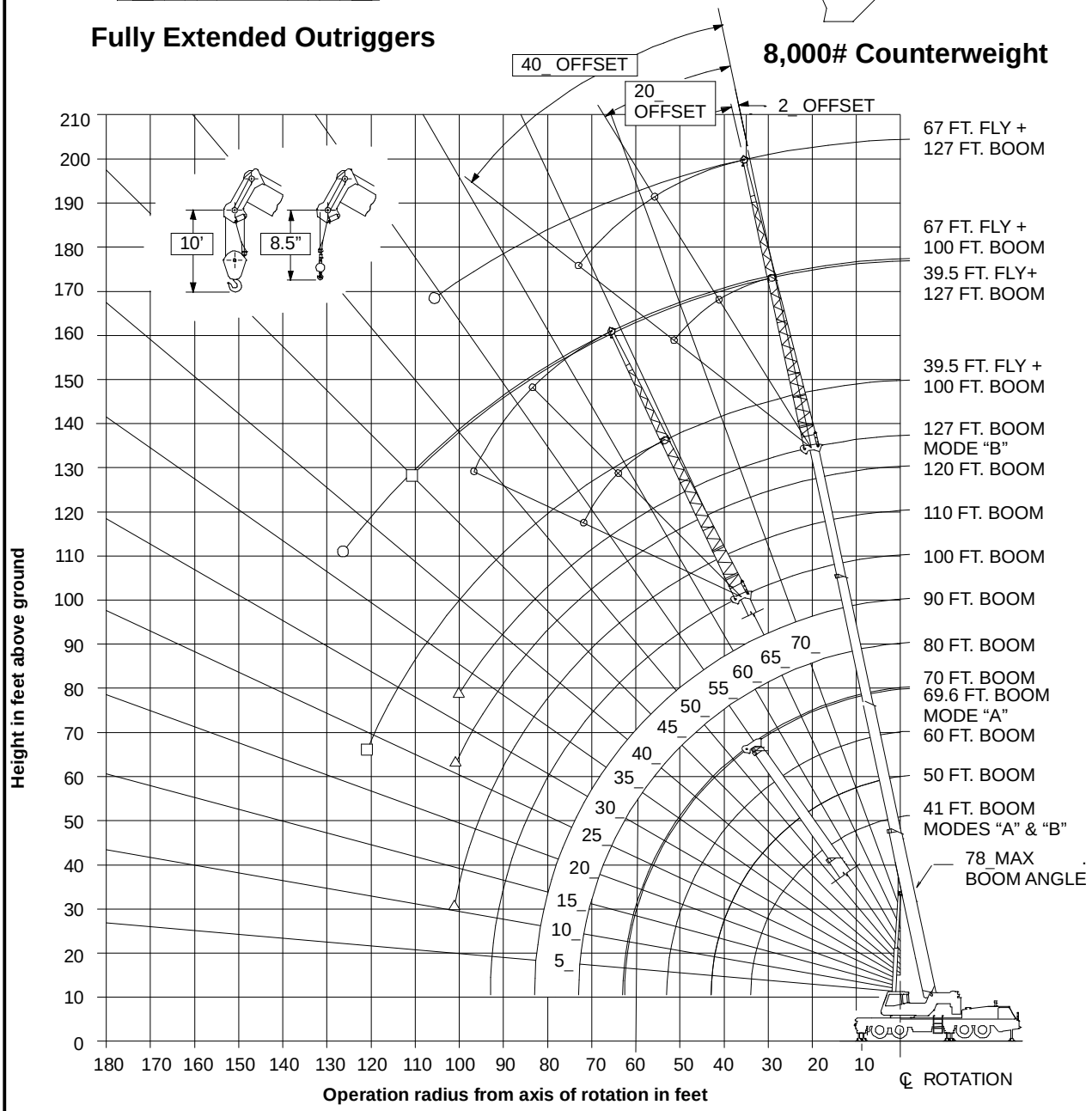
WORKING RANGE DIAGRAM



Fully Extended Outriggers



8,000# Counterweight



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

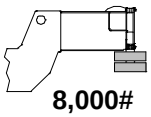
Note: Boom and fly geometry shown are for unloaded condition and crane standing level on firm supporting surface. Boom deflection, subsequent radius and boom angle change must be accounted for when applying load to hook.

⚠ WARNING

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

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

FULL



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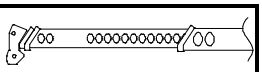


MAIN BOOM "A"

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

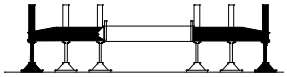
Load Radius (Ft.)	60 Ft.			69.6 Ft.			Load Radius (Ft.)
	(°	360°	Over Rear	(°	360°	Over Rear	
10	76.5	74,000	74,000				10
12	74.5	74,000	74,000	76.5	43,900	43,900	12
15	71.5	74,000	74,000	74.5	43,900	43,900	15
20	66.0	69,500	69,500	70.0	43,900	43,900	20
25	60.5	51,900	51,900	65.5	43,900	43,900	25
30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

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

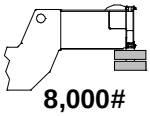
(° Loaded Boom Angle In Degrees.

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

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



FULL



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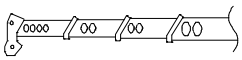


MAIN BOOM "B"

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

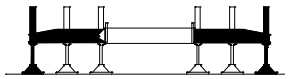
Load Radius (Ft.)	60 Ft.			70 Ft.			Load Radius (Ft.)
	(°	360°	Over Rear	(°	360°	Over Rear	
10	76.0	38,000	38,000				10
12	74.0	38,000	38,000	76.5	38,000	38,000	12
15	71.0	38,000	38,000	74.5	38,000	38,000	15
20	66.0	38,000	38,000	70.0	38,000	38,000	20
25	60.5	38,000	38,000	65.5	38,000	38,000	25
30	54.5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

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

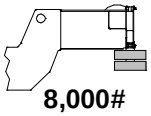
(° Loaded Boom Angle In Degrees.

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

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



FULL



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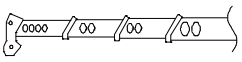


MAIN BOOM "B"

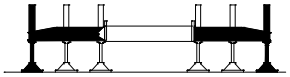
Load Radius (Ft.)	80 Ft.			90 Ft.			100 Ft.			Load Radius (Ft.)
	(°	360°	Over Rear	(°	360°	Over Rear	(°	360°	Over Rear	
15	76.5	38,000	38,000							15
20	73.0	38,000	38,000	75.0	38,000	38,000	77.0	37,400	37,400	20
25	69.5	38,000	38,000	72.0	38,000	38,000	74.0	32,700	32,700	25
30	65.0	38,000	38,000	68.5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

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

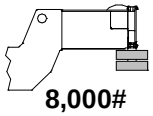
(° Loaded Boom Angle In Degrees.

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

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



FULL



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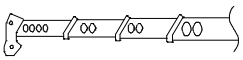


MAIN BOOM "B"

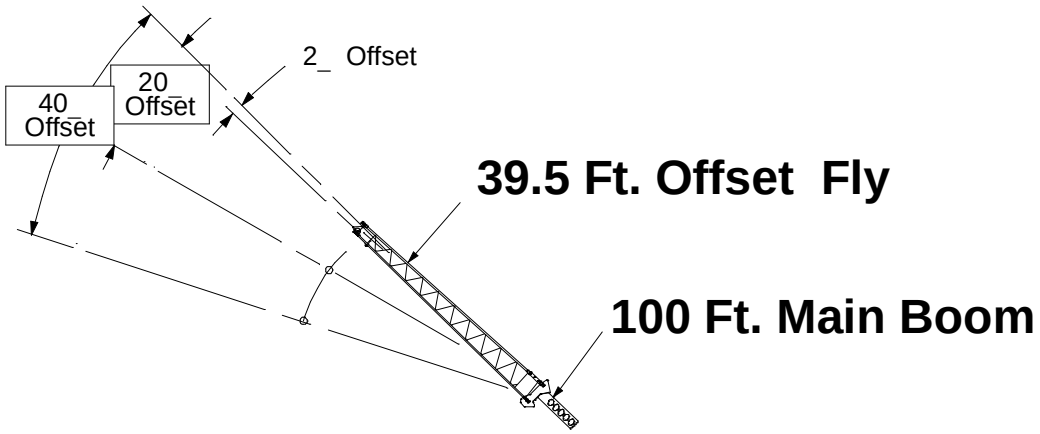
Load Radius (Ft.)	110 Ft.			120 Ft.			127 Ft.			Load Radius (Ft.)
	(°	360°	Over Rear	(°	360°	Over Rear	(°	360°	Over Rear	
25	76.0	29,400	29,400	77.5	23,300	23,300	78.0*	19,600	19,600	25
30	73.5	26,200	26,200	75.0	23,300	23,300	76.0	19,600	19,600	30
35	70.5	23,500	23,500	72.5	21,500	21,500	74.0	19,600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

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

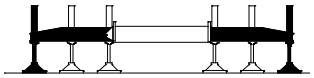
(° Loaded Boom Angle In Degrees.

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

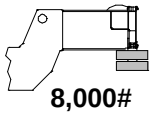
*** This capacity based on maximum obtainable boom angle.**



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



FULL



8,000#

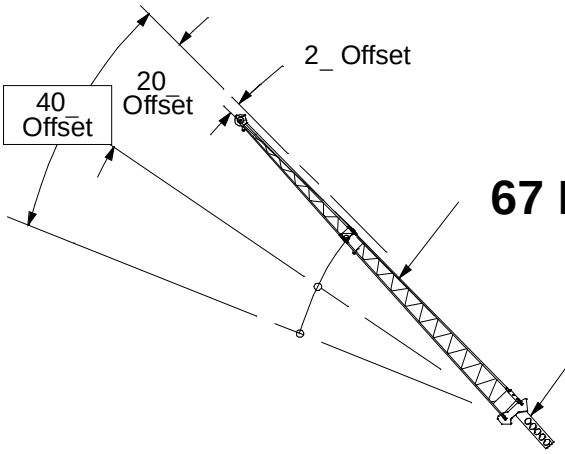
Load Radius (Ft.)	2_ Offset		20_ Offset		40_ Offset		Load Radius (Ft.)
	(°	360_	(°	360_	(°	360_	
30	77.0	13,900					30
35	75.0	13,400					35
40	73.0	12,800					40
45	71.0	12,200	76.0	9,400			45
50	69.0	11,700	74.0	8,900			50
55	67.0	11,100	71.5	8,500	76.0	6,600	55
60	64.5	10,600	69.5	8,100	73.5	6,400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

⚠ WARNING

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

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

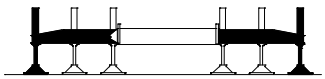
(° Loaded Boom Angle In Degrees.



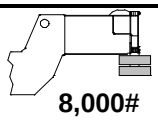
67 Ft. Offset Fly

100 Ft. Main Boom

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



FULL



8,000#

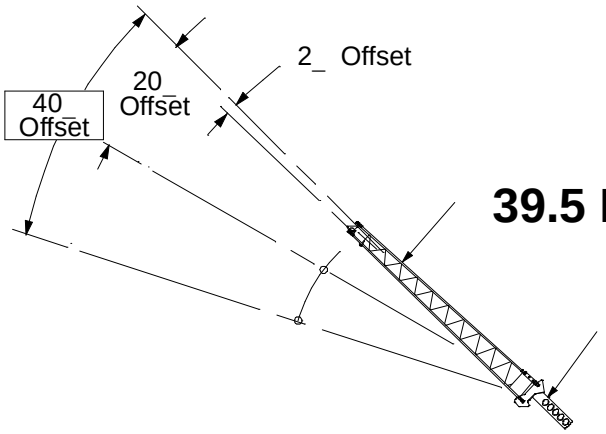
Load Radius (Ft.)	2_ Offset		20_ Offset		40_ Offset		Load Radius (Ft.)
	(°	360_	(°	360_	(°	360_	
40	77.0	8,300					40
45	75.5	7,900					45
50	73.5	7,500					50
55	72.0	7,100					55
60	70.0	6,600	77.0	4,700			60
65	68.5	6,200	75.5	4,500			65
70	66.5	5,800	73.5	4,200			70
75	64.5	5,500	71.5	4,000			75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

⚠ WARNING

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

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

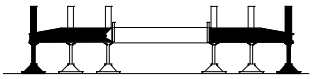
(° Loaded Boom Angle In Degrees.



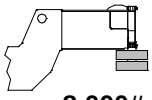
39.5 Ft. Offset Fly

127 Ft. Main Boom

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



FULL



8,000#

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

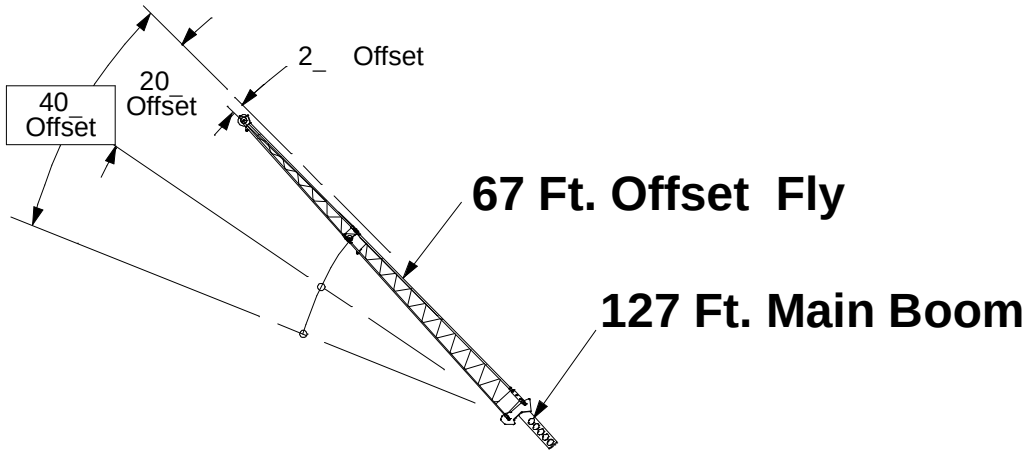
⚠ WARNING

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

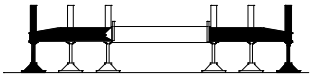
Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

(° Loaded Boom Angle In Degrees.

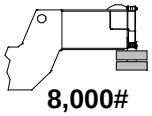
*** This capacity based on maximum obtainable boom angle.**



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



FULL



8,000#

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

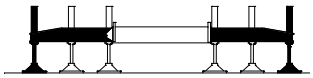
⚠ WARNING

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

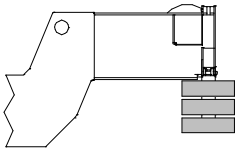
Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

(° Loaded Boom Angle In Degrees.

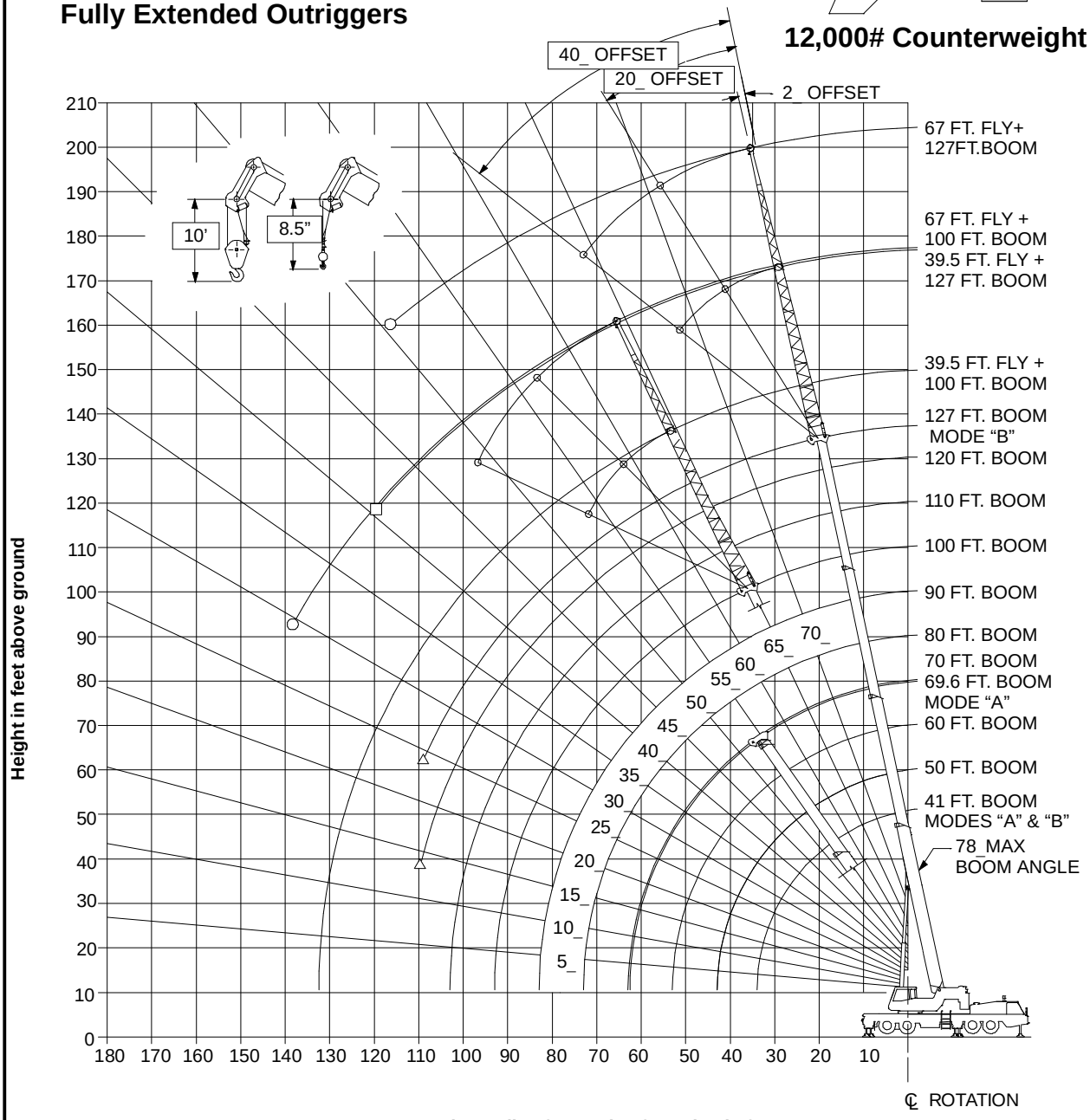
WORKING RANGE DIAGRAM



Fully Extended Outriggers



12,000# Counterweight



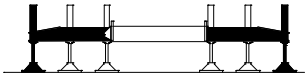
Denotes Main Boom + 67' Fly--Boom Mode "B"
Denotes Main Boom + 39.5' Fly--Boom Mode "B"
△ **Denotes Main Boom -- Boom Mode "B"**

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

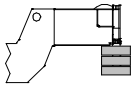
⚠ WARNING

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

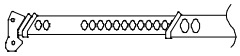
Rated Lifting Capacities In Pounds On Fully Extended Outriggers See Set Up Note 2.



FULL



12,000#



MAIN BOOM "A"

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

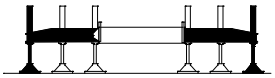
Load Radius (Ft.)	60 Ft.			69.6 Ft.			Load Radius (Ft.)
	(°	360°	Over Rear	(°	360°	Over Rear	
10	76.5	74,000	74,000				10
12	74.5	74,000	74,000	76.5	43,900	43,900	12
15	71.5	74,000	74,000	74.5	43,900	43,900	15
20	66.0	72,000	72,000	70.0	43,900	43,900	20
25	60.5	55,200	55,200	65.5	43,900	43,900	25
30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

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

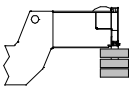
(° Loaded Boom Angle In Degrees.

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

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



FULL



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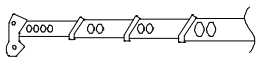


MAIN BOOM "B"

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

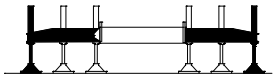
Load Radius (Ft.)	60 Ft.			70 Ft.			Load Radius (Ft.)
	(°	360°	Over Rear	(°	360°	Over Rear	
10	76.0	38,000	38,000				10
12	74.0	38,000	38,000	76.5	38,000	38,000	12
15	71.0	38,000	38,000	74.5	38,000	38,000	15
20	66.0	38,000	38,000	70.0	38,000	38,000	20
25	60.5	38,000	38,000	65.5	38,000	38,000	25
30	54.5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

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

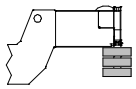
(° Loaded Boom Angle In Degrees.

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

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



FULL



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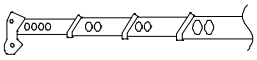


MAIN BOOM "B"

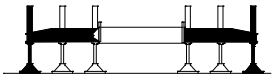
Load Radius (Ft.)	80 Ft.			90 Ft.			100 Ft.			Load Radius (Ft.)
	(°	360°	Over Rear	(°	360°	Over Rear	(°	360°	Over Rear	
15	76.5	38,000	38,000							15
20	73.0	38,000	38,000	75.0	38,000	38,000	77.0	37,400	37,400	20
25	69.5	38,000	38,000	72.0	38,000	38,000	74.0	32,700	32,700	25
30	65.0	38,000	38,000	68.5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

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

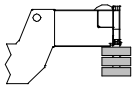
(° Loaded Boom Angle In Degrees.

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

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



FULL



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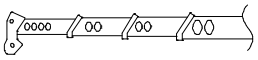


MAIN BOOM "B"

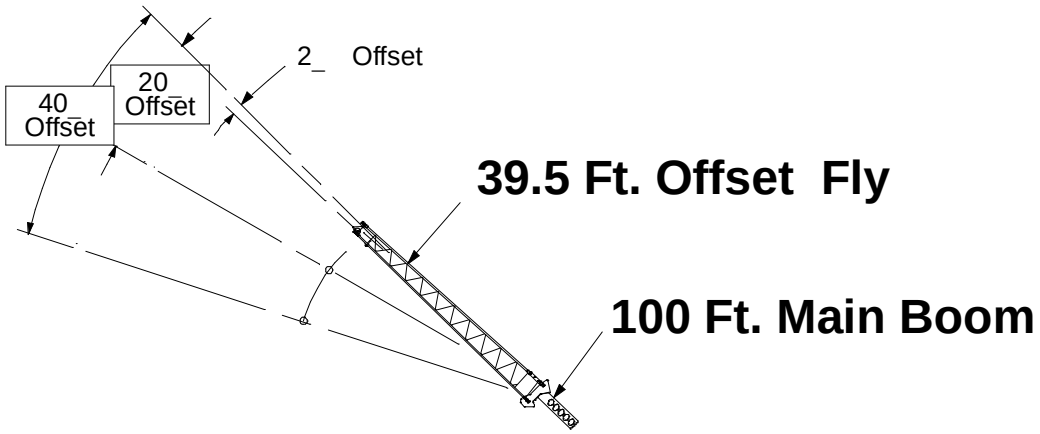
Load Radius (Ft.)	110 Ft.			120 Ft.			127 Ft.			Load Radius (Ft.)
	(°	360°	Over Rear	(°	360°	Over Rear	(°	360°	Over Rear	
25	76.0	29,400	29,400	77.5	23,300	23,300	78.0*	19,600	19,600	25
30	73.5	26,200	26,200	75.0	23,300	23,300	76.0	19,600	19,600	30
35	70.5	23,500	23,500	72.5	21,500	21,500	74.0	19,600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

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

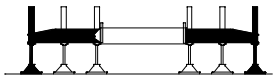
(° Loaded Boom Angle In Degrees.

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

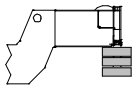
*** This capacity based on maximum obtainable boom angle.**



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



FULL

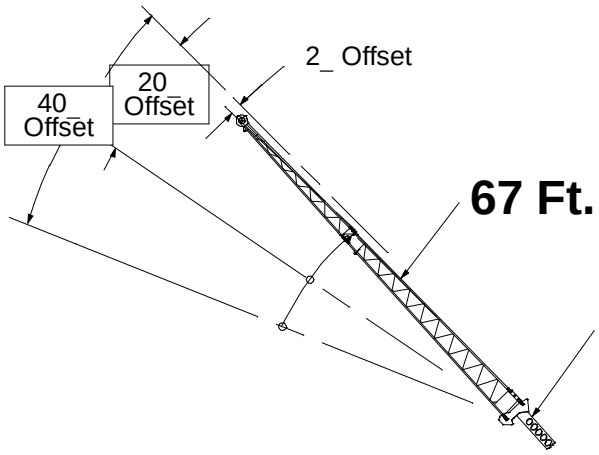


12,000#

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

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

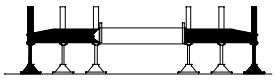
(° Loaded Boom Angle In Degrees.



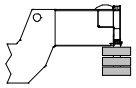
67 Ft. Offset Fly

100 Ft. Main Boom

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



FULL



12,000#

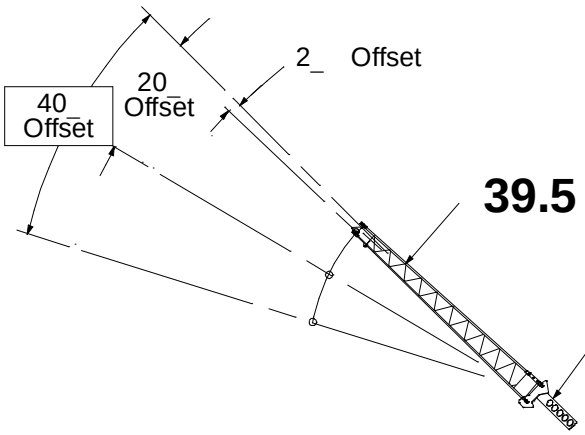
Load Radius (Ft.)	2_ Offset		20_ Offset		40_ Offset		Load Radius (Ft.)
	(°	360_	(°	360_	(°	360_	
40	77.0	8,300					40
45	75.5	7,900					45
50	73.5	7,500					50
55	72.0	7,100					55
60	70.0	6,600	77.0	4,700			60
65	68.5	6,200	75.5	4,500			65
70	66.5	5,800	73.5	4,200			70
75	64.5	5,500	71.5	4,000			75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

⚠ WARNING

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

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

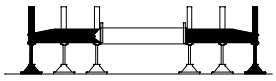
(° Loaded Boom Angle In Degrees.



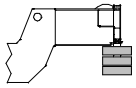
39.5 Ft. Offset Fly

127 Ft. Main Boom

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



FULL



12,000#

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

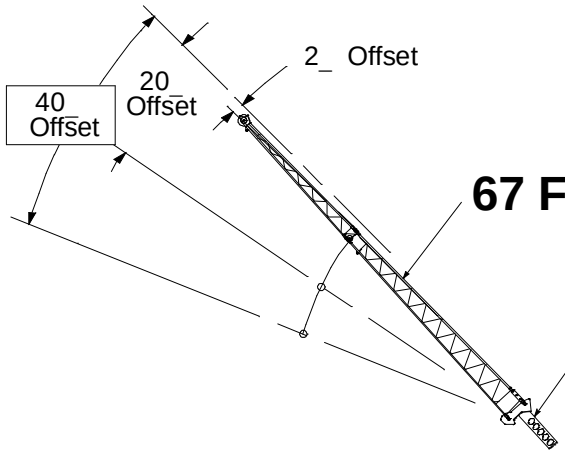
⚠ WARNING

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

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

(° Loaded Boom Angle In Degrees.

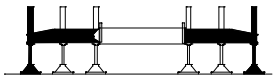
*** This capacity based on maximum obtainable boom angle.**



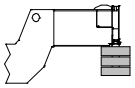
67 Ft. Offset Fly

127 Ft. Main Boom

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



FULL



12,000#

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

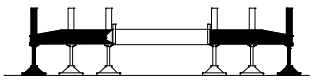
⚠ WARNING

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

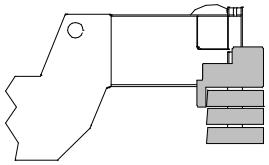
Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

(° Loaded Boom Angle In Degrees.

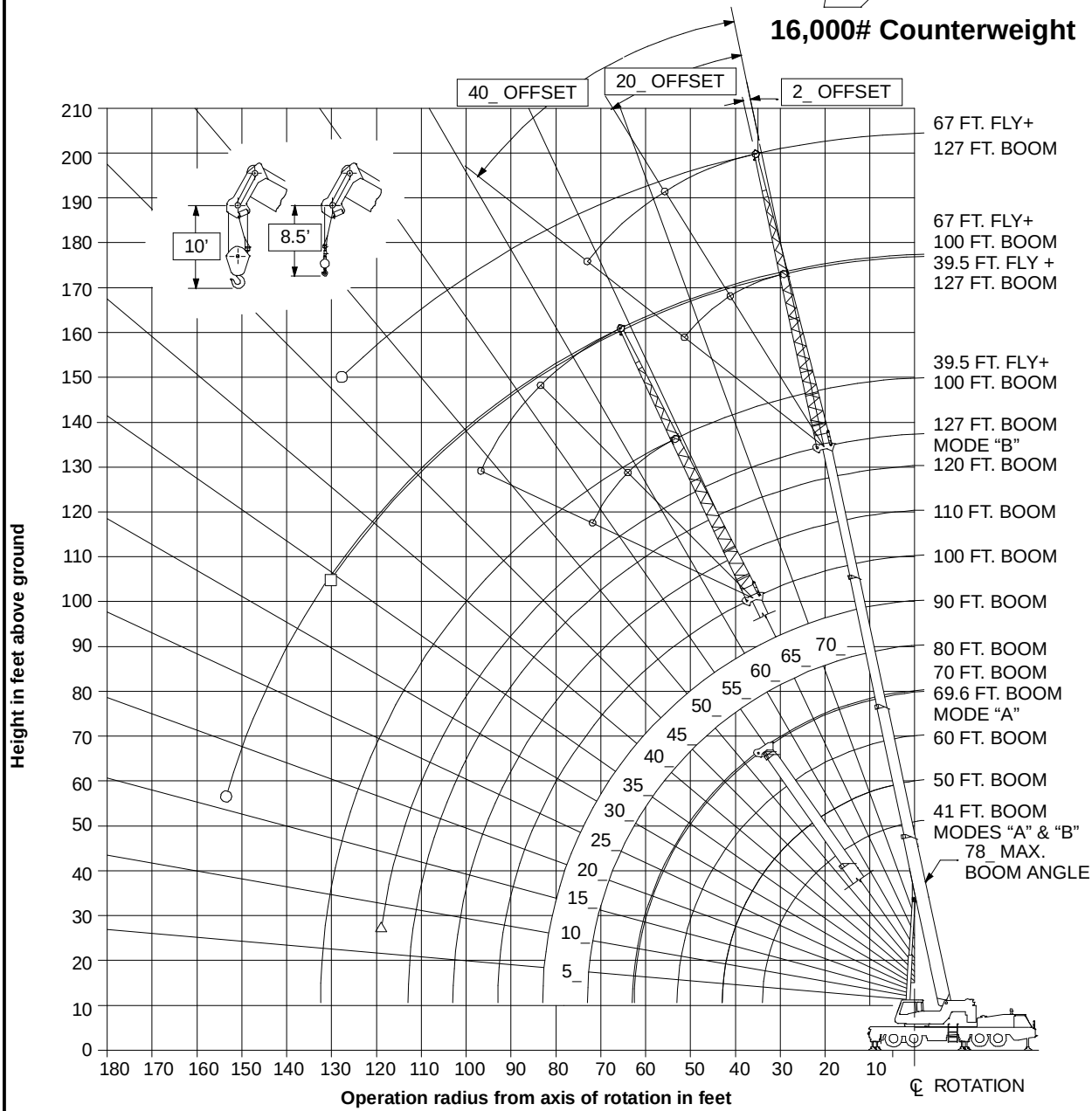
WORKING RANGE DIAGRAM



Fully Extended Outriggers



16,000# Counterweight



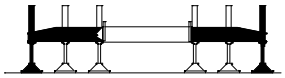
Denotes Main Boom + 67' Fly--Boom Mode "B"
Denotes Main Boom + 39.5' Fly--Boom Mode "B"
△ **Denotes Main Boom -- Boom Mode "B"**

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

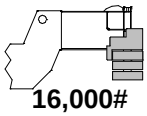
⚠ WARNING

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

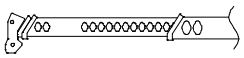
Rated Lifting Capacities In Pounds On Fully Extended Outriggers See Set Up Note 2.



FULL



16,000#



MAIN BOOM "A"

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

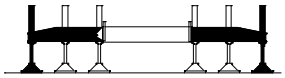
Load Radius (Ft.)	60 Ft.			69.6 Ft.			Load Radius (Ft.)
	(°	360°	Over Rear	(°	360°	Over Rear	
10	76.5	74,000	74,000				10
12	74.5	74,000	74,000	76.5	43,900	43,900	12
15	71.5	74,000	74,000	74.5	43,900	43,900	15
20	66.0	74,000	74,000	70.0	43,900	43,900	20
25	60.5	57,200	57,200	65.5	43,900	43,900	25
30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

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

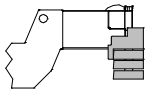
(° Loaded Boom Angle In Degrees.

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

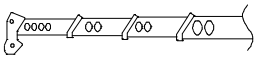
Rated Lifting Capacities In Pounds On Fully Extended Outriggers See Set Up Note 2.



FULL



16,000#



MAIN BOOM "B"

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

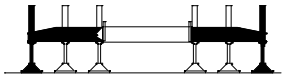
Load Radius (Ft.)	60 Ft.			70 Ft.			Load Radius (Ft.)
	(°	360°	Over Rear	(°	360°	Over Rear	
10	76.0	38,000	38,000				10
12	74.0	38,000	38,000	76.5	38,000	38,000	12
15	71.0	38,000	38,000	74.5	38,000	38,000	15
20	66.0	38,000	38,000	70.0	38,000	38,000	20
25	60.5	38,000	38,000	65.5	38,000	38,000	25
30	54.5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

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

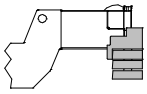
(° Loaded Boom Angle In Degrees.

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

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



FULL



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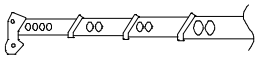


MAIN BOOM "B"

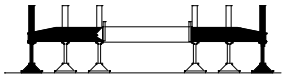
Load Radius (Ft.)	80 Ft.			90 Ft.			100 Ft.			Load Radius (Ft.)
	(°	360°	Over Rear	(°	360°	Over Rear	(°	360°	Over Rear	
15	76.5	38,000	38,000							15
20	73.0	38,000	38,000	75.0	38,000	38,000	77.0	37,400	37,400	20
25	69.5	38,000	38,000	72.0	38,000	38,000	74.0	32,700	32,700	25
30	65.5	38,000	38,000	68.5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

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

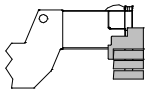
(° Loaded Boom Angle In Degrees.

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

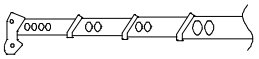
Rated Lifting Capacities In Pounds On Fully Extended Outriggers See Set Up Note 2.



FULL



16,000#



MAIN BOOM "B"

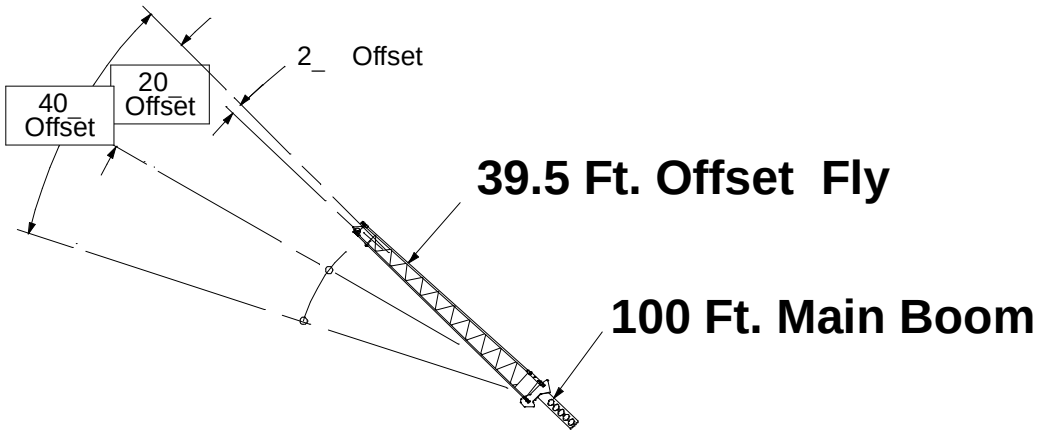
Load Radius (Ft.)	110 Ft.			120 Ft.			127 Ft.			Load Radius (Ft.)
	(°	360°	Over Rear	(°	360°	Over Rear	(°	360°	Over Rear	
25	76.0	29,400	29,400	77.5	23,300	23,300	78.0*	19,600	19,600	25
30	73.5	26,200	26,200	75.0	23,300	23,300	76.0	19,600	19,600	30
35	70.5	23,500	23,500	72.5	21,500	21,500	74.0	19,600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

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

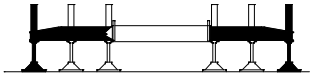
(° Loaded Boom Angle In Degrees.

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

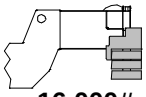
*** This capacity based on maximum obtainable boom angle.**



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



FULL

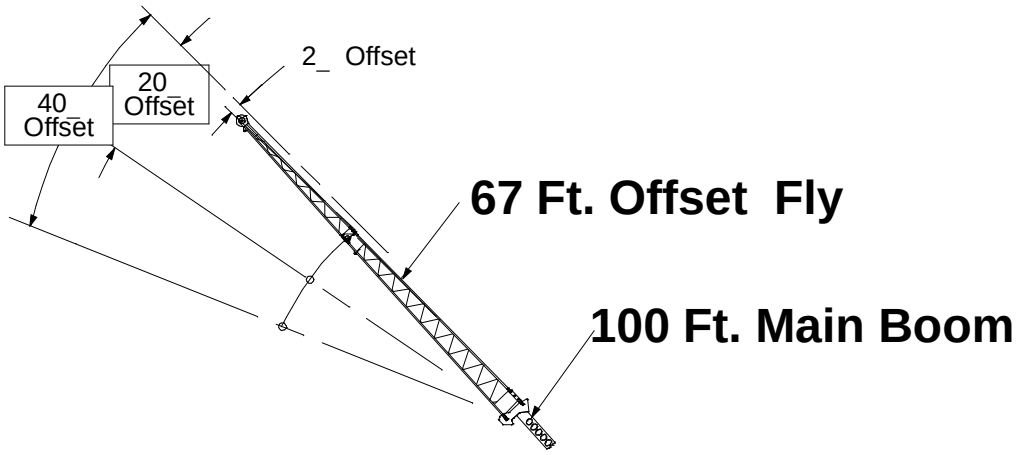


16,000#

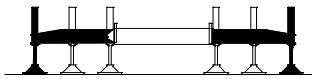
Load Radius (Ft.)	2_ Offset		20_ Offset		40_ Offset		Load Radius (Ft.)
	(°	360_	(°	360_	(°	360_	
30	77.0	13,900					30
35	75.0	13,400					35
40	73.0	12,800					40
45	71.0	12,200	76.0	9,400			45
50	69.0	11,700	74.0	8,900			50
55	67.0	11,100	71.5	8,500	76.0	6,600	55
60	64.5	10,600	69.5	8,100	73.5	6,400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

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

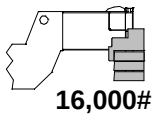
(° Loaded Boom Angle In Degrees.



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



FULL



16,000#

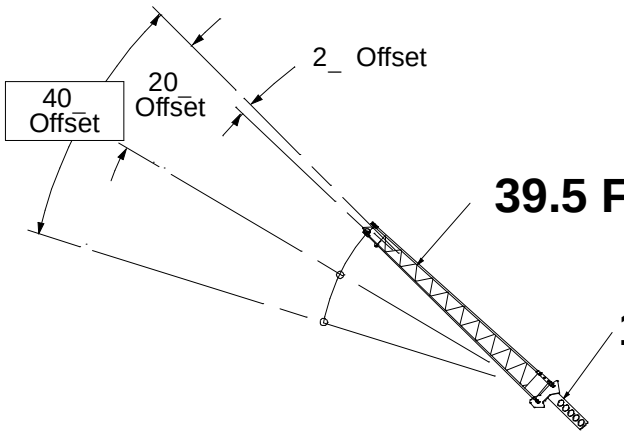
Load Radius (Ft.)	2_ Offset		20_ Offset		40_ Offset		Load Radius (Ft.)
	(°	360_	(°	360_	(°	360_	
40	77.0	8,300					40
45	75.5	7,900					45
50	73.5	7,500					50
55	72.0	7,100					55
60	70.0	6,600	77.0	4,700			60
65	68.5	6,200	75.5	4,500			65
70	66.5	5,800	73.5	4,200			70
75	64.5	5,500	71.5	4,000			75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

⚠ WARNING

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

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

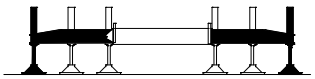
(° Loaded Boom Angle In Degrees.



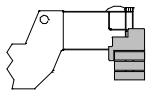
39.5 Ft. Offset Fly

127 Ft. Main Boom

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



FULL



16,000#

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

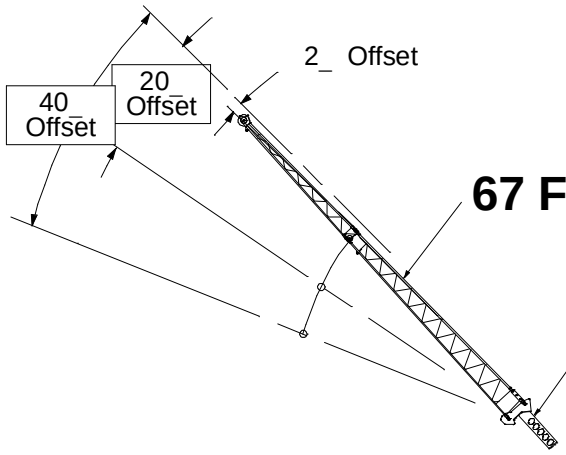
⚠ WARNING

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

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

(° Loaded Boom Angle In Degrees.

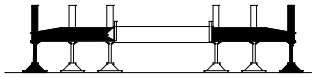
*** This capacity based on maximum obtainable boom angle.**



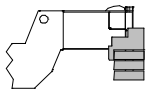
67 Ft. Offset Fly

127 Ft. Main Boom

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



FULL



16,000#

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

⚠ WARNING

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

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

(° Loaded Boom Angle In Degrees.