

SERIAL NUMBER: **F2J0-2905**

# CRANE RATING MANUAL

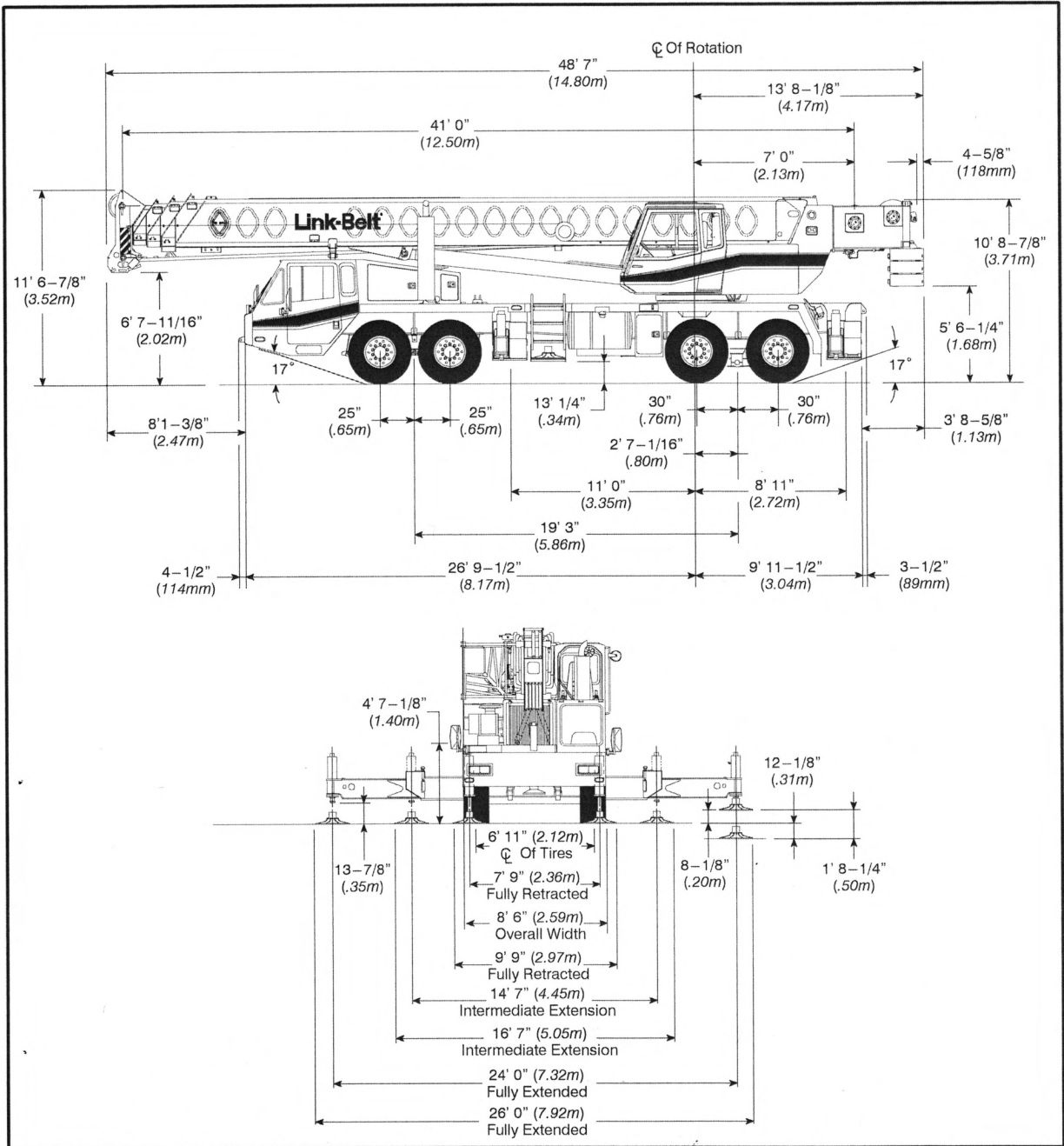
**HTC-8675 LB**  
**4-SECTION POWER BOOM**

For Replacement, Order Part Number: F2P0315  
(032904)

**Link-Belt**  
CONSTRUCTION EQUIPMENT

© Link-Belt is a registered trademark.

# General Dimensions



## Tire Inflation

Tire Size	Operation	Tire Pressure (psi)
12 R 22.5	1 mph Stationary	120 120

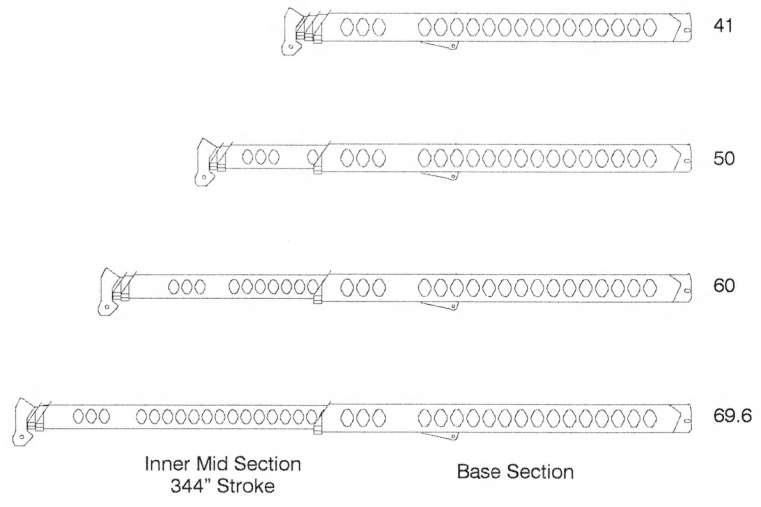
## Pontoon Loadings

Maximum Pontoon Load	Maximum Pontoon Ground Bearing Pressure
97,400 lb	215 psi

### Boom Mode "A"

Only inner mid section telescopes.

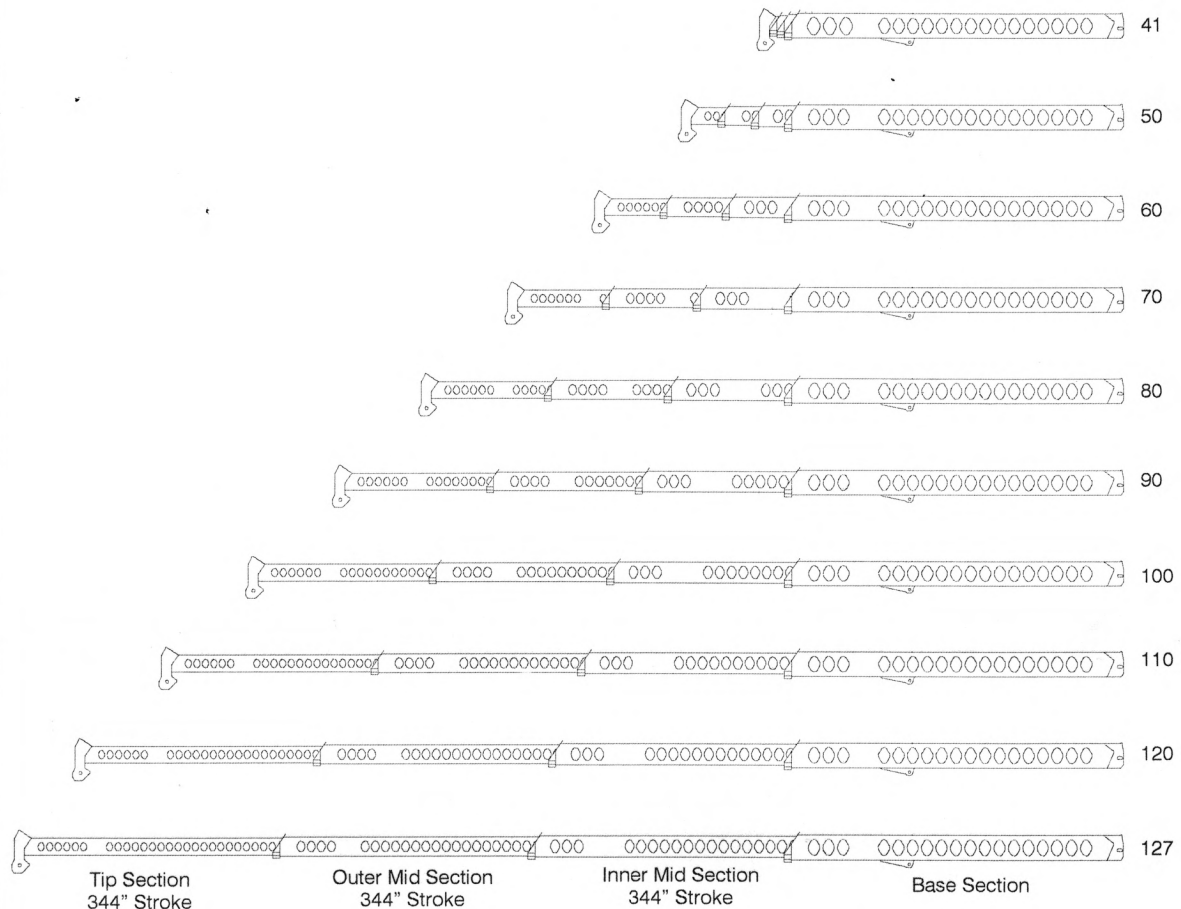
Boom Length (ft)



### Boom Mode "B"

Inner mid, outer mid, and tip sections telescope simultaneously.

Boom Length (ft)



## Winch Performance

Winch Line Pulls			Drum Rope Capacity (ft)	
Two Speed Winch				
Wire Rope Layer	Low Speed	High Speed	Layer	Total
	Available lb*	Available lb		
1	16,506	8,151	114	114
2	15,175	7,494	124	238
3	14,043	6,935	134	372
4	13,068	6,453	144	516
5	12,220	6,034	154	670
6	N/A	N/A	164	834

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

## Wire Rope Capacity Chart

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

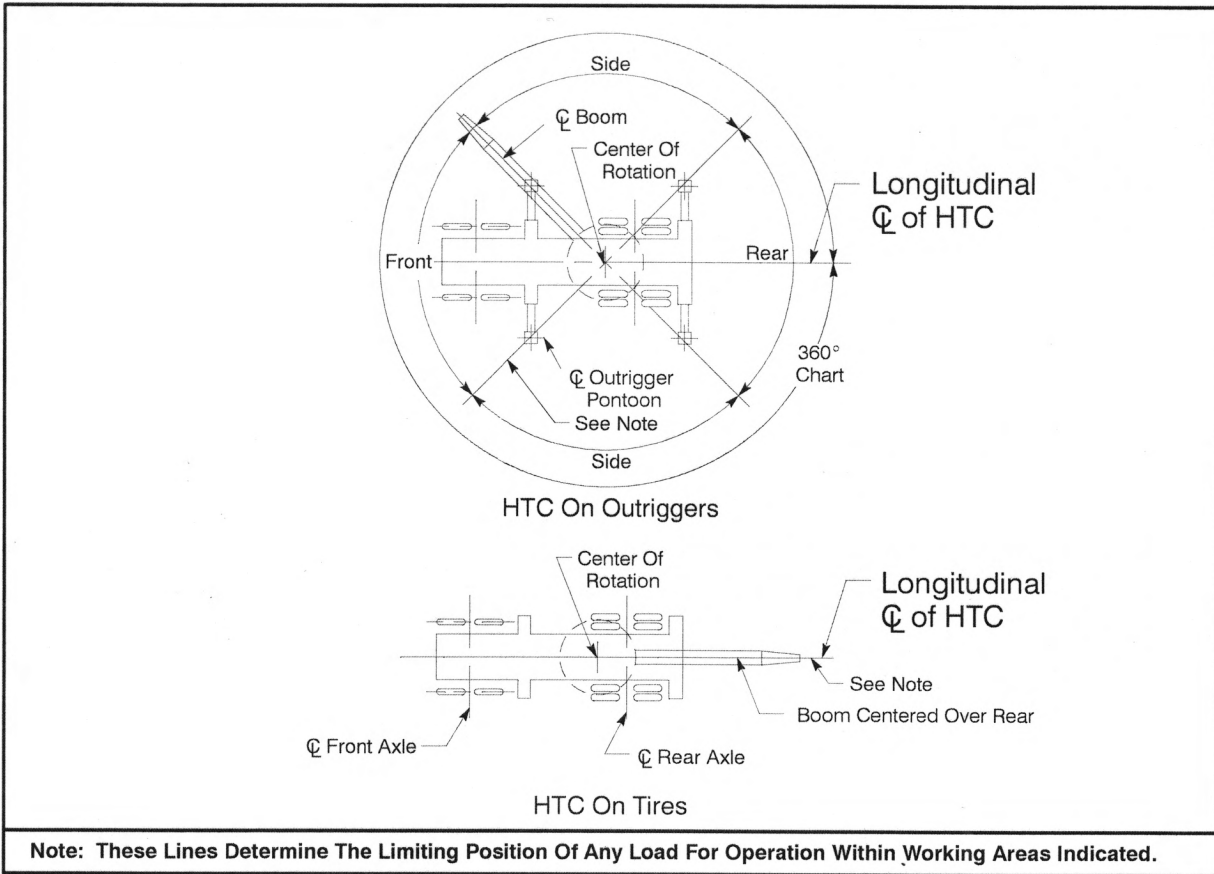
LBCE	Description
TYPE RB	18 X 19 Rotation Resistant – Compact Strand – High Strength Preformed, Right Regular Lay
TYPE ZB	36 X 7 Rotation Resistant – Extra Improved Plow Steel – Right Regular Lay

## Hydraulic Circuit Pressure Settings

Function	Pressure (psi)
Front And Rear Winch	3,500
Outriggers	3,000
Boom Hoist	3,500
Telescope	3,000
Swing	1,500
Steering	2,000
Bumper Outrigger	650
Pilot Control	500
Counterweight Removal	1,500
Swing Park Brake Release	250



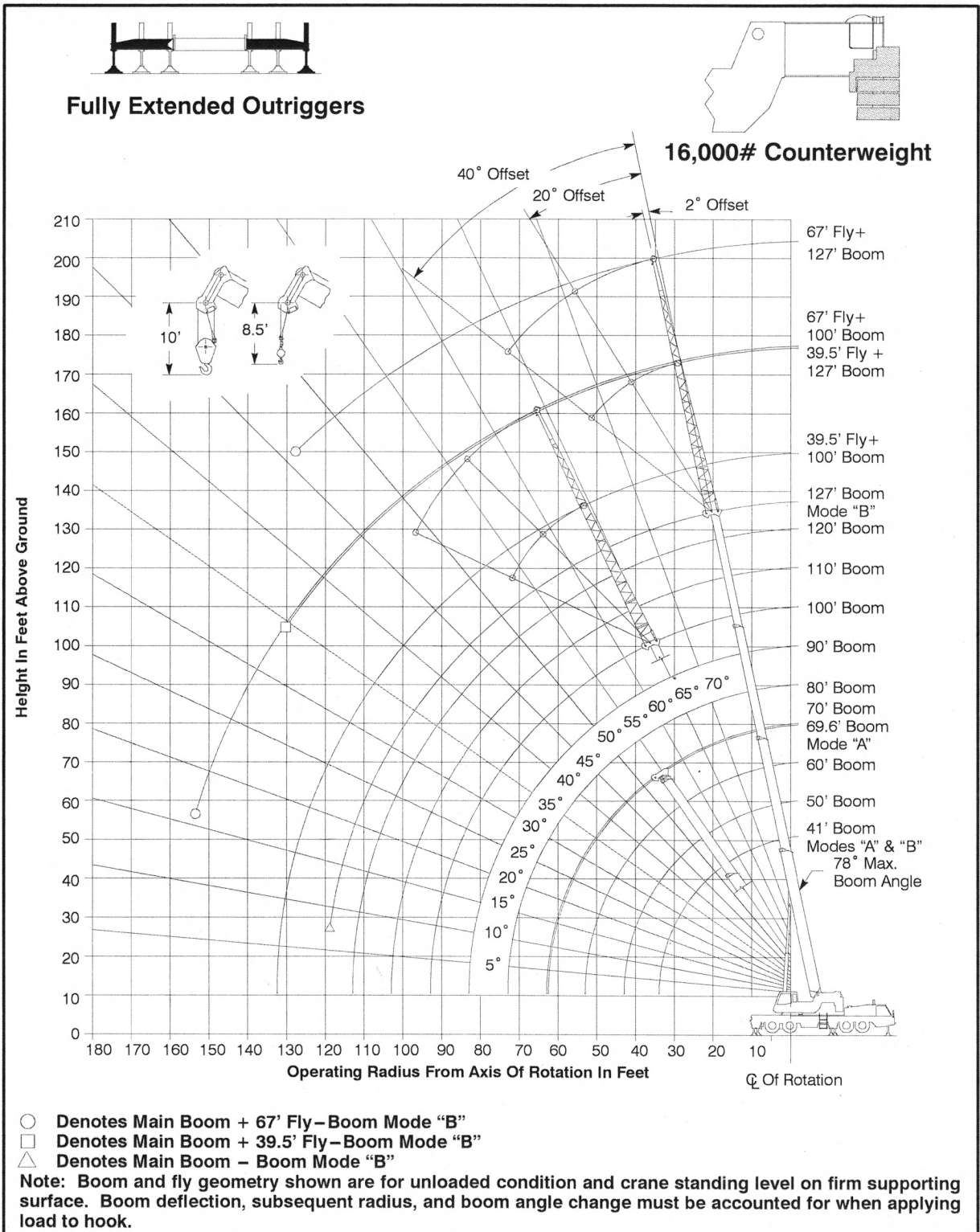
# Working Areas



## Capacity Deductions For Auxiliary Load Handling Equipment

Load Handling Equipment	Weight (lb)
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)	1,100
75 Ton Quick Reeve 5 Sheave Hook Block (See Hook Block For Actual Weight)	1,400
8.5 Ton Hook Ball (See Hook Ball For Actual Weight)	360
<b>Lifting From Main Boom With:</b>	
39.5' Or 67' Fly Stowed On Base (See Operation Note 4)	0
39.5' Offset Fly Erected But Not Used	4,100
67' Offset Fly Erected But Not Used	8,200
<b>Lifting From 39.5' Offset Fly With:</b>	
27.5' Fly Tip Erected But Not Used	<b>Prohibited</b>
27.5' Fly Tip Stowed On 39.5' Offset Fly	<b>Prohibited</b>
<b>Note: Capacity deductions are for Link-Belt supplied equipment only.</b>	

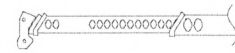
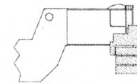
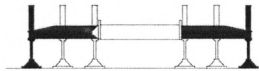
# Working Range Diagram



## WARNING

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

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



**Full**

**16,000#**

**Main Boom  
"A"**

Load Radius (ft)	41'			50'			Load Radius (ft)
	$\angle$ °	360°	Over Rear	$\angle$ °	360°	Over Rear	
8	72.0	150,000*	150,000*				8
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'			69.6'			Load Radius (ft)
	$\angle$ °	360°	Over Rear	$\angle$ °	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.

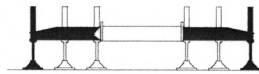
**Note:** Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

$\angle$  Loaded Boom Angle In Degrees.

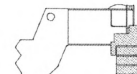
( ) Reference Radius For Minimum Boom Angle Capacities (Shown In Parenthesis) Are In Feet.

\* Special conditions or wire rope required.

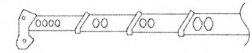
**Rated Lifting Capacities In Pounds  
Fully Extended Outriggers  
See Set Up Note 2.**



**Full**



**16,000#**



**Main Boom  
"B"**

Load Radius (ft)	41'			50'			Load Radius (ft)
	$\angle$ °	360°	Over Rear	$\angle$ °	360°	Over Rear	
8	72.0	150,000*	150,000*				8
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'			70'			Load Radius (ft)
	$\angle$ °	360°	Over Rear	$\angle$ °	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.

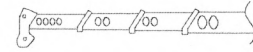
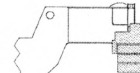
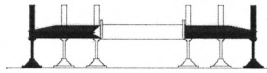
**Note:** Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

$\angle$  Loaded Boom Angle In Degrees.

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

\* Special conditions or wire rope required.

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



**Full**

**16,000#**

**Main Boom  
"B"**

Load Radius (ft)	80'			90'			100'			Load Radius (ft)
	$\angle$ °	360°	Over Rear	$\angle$ °	360°	Over Rear	$\angle$ °	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.

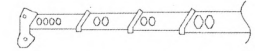
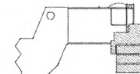
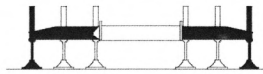
**Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".**

$\angle$  Loaded Boom Angle In Degrees.

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



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



**Full**

**16,000#**

**Main Boom  
"B"**

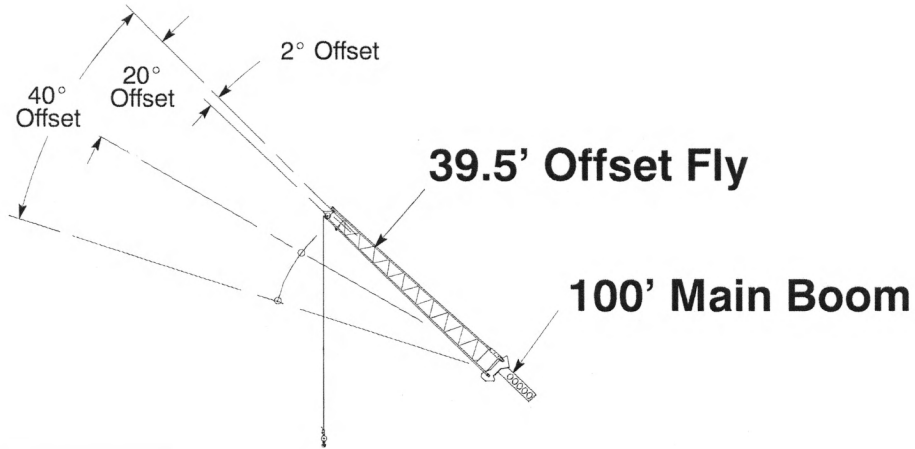
Load Radius (ft)	110'			120'			127'			Load Radius (ft)
	$\angle$ °	360°	Over Rear	$\angle$ °	360°	Over Rear	$\angle$ °	360°	Over Rear	
25	76.0	29,400	29,400	77.5	23,300	23,300	78.0*	19,600	19,600	25
30	73.5	26,200	26,200	75.0	23,300	23,300	76.0	19,600	19,600	30
35	70.5	23,500	23,500	72.5	21,500	21,500	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".**

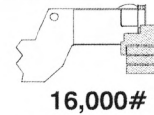
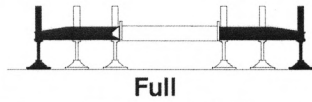
$\angle$  Loaded Boom Angle In Degrees.

( ) 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  
Fully Extended Outriggers  
See Set Up Note 2.**

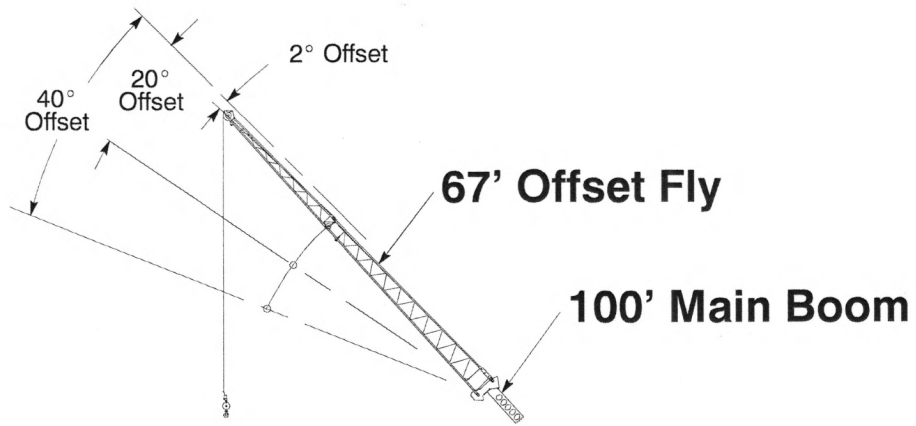


Load Radius (ft)	2° Offset		20° Offset		40° Offset		Load Radius (ft)
	$\angle$ °	360°	$\angle$ °	360°	$\angle$ °	360°	
30	77.0	13,900					30
35	75.0	13,400					35
40	73.0	12,800					40
45	71.0	12,200	76.0	9,400			45
50	69.0	11,700	74.0	8,900			50
55	67.0	11,100	71.5	8,500	76.0	6,600	55
60	64.5	10,600	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".

$\angle$  Loaded Boom Angle In Degrees.





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

**Full** **16,000#**

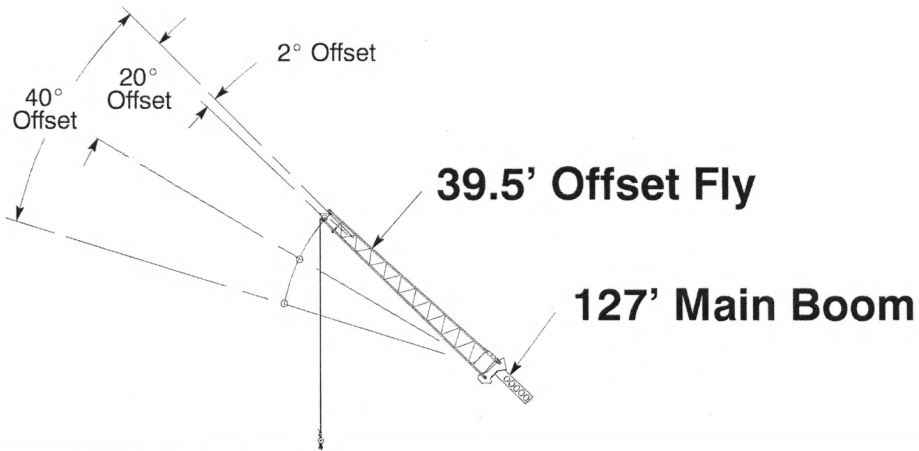
Load Radius (ft)	2° Offset		20° Offset		40° Offset		Load Radius (ft)
	$\angle$ °	360°	$\angle$ °	360°	$\angle$ °	360°	
40	77.0	8,300					40
45	75.5	7,900					45
50	73.5	7,500					50
55	72.0	7,100					55
60	70.0	6,600	77.0	4,700			60
65	68.5	6,200	75.5	4,500			65
70	66.5	5,800	73.5	4,200			70
75	64.5	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' Offset Fly In Working Position Below 16° Main Boom Angle Unless Main Boom Length Is 99' 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".

$\angle$  ° Loaded Boom Angle In Degrees.



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

**Full** **16,000#**

Load Radius (ft)	2° Offset		20° Offset		40° Offset		Load Radius (ft)
	$\angle$ °	360°	$\angle$ °	360°	$\angle$ °	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

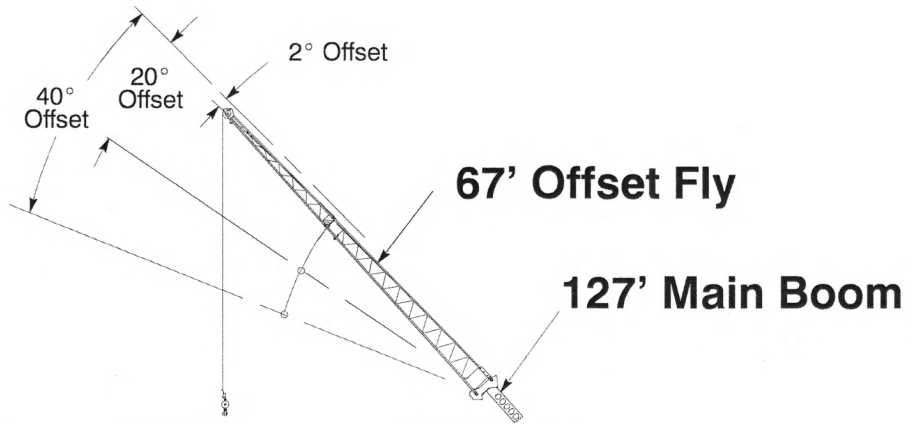
**⚠ WARNING**

Do Not Lower 39.5' Offset Fly In Working Position Below 34.5° Main Boom Angle Unless Main Boom Length Is 108' 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".

$\angle$  Loaded Boom Angle In Degrees.

\* This capacity based on maximum obtainable boom angle.



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

**Full** **16,000#**

Load Radius (ft)	2° Offset		20° Offset		40° Offset		Load Radius (ft)
	$\angle$ °	360°	$\angle$ °	360°	$\angle$ °	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' Offset Fly In Working Position Below 46° Degrees Main Boom Angle Unless Main Boom Length Is 99' 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".

$\angle$  Loaded Boom Angle In Degrees.