
CRANE RATING MANUAL

HTC-8675 *Series II* 4 - Section Boom

For Replacement, Order Part Number: P9P0002
(110807)

Link-Belt®
CONSTRUCTION EQUIPMENT

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WARNING

READ AND UNDERSTAND THE OPERATORS 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 by Link-Belt Construction Equipment Company (LBCE). Modifications to the crane or use of optional equipment other than that specified can result in a reduction in capacity.
2. Construction equipment can be dangerous if improperly operated or maintained. Operation and maintenance of this crane must be in compliance with the information in the Operator's, Parts, and Safety Manuals supplied with this crane. If these manuals are missing, order replacements through the distributor.
3. The operator and other personnel associated with this crane shall read and fully understand the latest applicable American National Standards ASME B30.5 safety standards for cranes.
4. The rated lifting capacities are based on crane standing level on firm supporting surface.

Set Up:

1. The crane shall be leveled on a firm supporting surface. Depending on the nature of the supporting surface, it may be necessary to have structural supports under the outrigger pontoons or tires to spread the load to a larger bearing surface.
2. When making lifts on outriggers, all tires must be free of supporting surface. All outrigger beams must be extended to the same length; fully retracted, intermediate extended, or fully extended. The front bumper outrigger must be properly extended.
3. When making lifts on tires, they must be inflated to the recommended pressure. (See Tire Inflation.)
4. Before swinging boom to over side position on tires, or on fully retracted outriggers where capacities are not published, boom sections must be fully retracted and 41° boom angle maintained.
5. For required parts of line, see Wire Rope Capacity Chart and Winch Performance.
6. Before setting up the crane, refer to Allowable Crane Configuration and rated lifting capacities to determine allowable crane configurations.

Operation:

1. Rated lifting capacities at rated radius shall not be exceeded. Do not tip the crane to determine allowable loads.
2. Rated lifting capacities shall be reduced for repetitive lift applications. For concrete bucket operation, weight of bucket and load shall not exceed 80% of rated load. For duty cycle operation, such as loading and unloading, maximum allowable load shall not exceed 70% of rated load. For clamshell and magnet operation, weight of bucket, or magnet, and load shall not exceed 70% of rated load. Lifts with fly erected are prohibited for clamshell and magnet operation.
3. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads. Rated lifting capacities shown on intermediate extended or fully retracted outriggers are determined by the formula, rated load = (tipping load - 0.1 X load factor)/1.25. Rated lifting capacities shown on tires do not exceed 75% of the tipping loads. Tipping loads are determined by SAE crane stability test code J-765.
4. Rated lifting capacities in the shaded areas are based on structural strength or hydraulic limitations and have been tested to meet minimum requirements of SAE J-1063 cantilevered boom crane structures - method of test. Rated lifting capacities in non-shaded areas are based on stability ratings.
5. Rated lifting capacities include the weight of the hook block, hook ball, slings, bucket, magnet, auxiliary lifting devices, etc. 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 any fly erected, but not used, see Capacity Deductions.
6. Rated lifting capacities are based on freely suspended loads. No attempt shall be made to move a load horizontally on the ground in any direction.
7. Rated lifting capacities are for lift crane service only.
8. Do not operate at radii or boom lengths (minimum or maximum) where capacities are not listed. At these positions, the crane can tip or cause boom failure.
9. The maximum loads which can be telescoped are not definable because of variation in loadings and crane maintenance, but it is permissible to attempt retraction and extension within the limits of the applicable load rating chart.

10. Boom extend mode EM4 is for fixed boom lengths only as shown on load rating charts. Rated lifting capacities are based on all sections pinned together and the telescope cylinder unlatched. There is a 10,000 lb capacity given for telescoping the boom with rigging to the appropriate lengths for pinning the section(s) only in EM4 boom mode. Do not attempt to extend or retract the boom with more than 10,000 lb of rigging when utilizing EM4 boom mode.
11. 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.
12. 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.
13. Rated lifting capacities do not account for the effects of wind on a suspended load or boom. Lifting capacities should be considered acceptable for wind speeds up to 20 mph and appropriately reduced for wind speeds greater than 20 mph. (See Wind Speed Restrictions.)
14. For cold weather operation, rated capacities should be reduced by the following rule: a 1% reduction in rated capacity should be taken for each 1°F below 0°F. Example: if the temperature is -10°F a 10% reduction in rated capacities should be taken, at -40°F a 40% reduction.
15. For auxiliary lifting sheave capacities, use main boom charts minus auxiliary lifting sheave deduct. (See Capacity Deductions.) The effective length of the boom increases by 2'.
16. Rated lifting capacities are based on correct reeving. A deduction must be made for excessive reeving. Any reeving over minimum required is considered excessive and must be accounted for when making lifts. Use Working Range Diagram to estimate the extra feet of rope, then deduct the required rope weight (listed on the Wire Rope Capacity Chart) for each extra foot of wire rope before attempting to lift a load.
17. The loaded boom angle combined with the boom length give only an approximation of the operating radius. The boom angle, before loading, should be greater to account for deflection. Some capacities are limited by a maximum obtainable 80° boom angle.
18. Fly capacities are determined by radius only for fully extended boom lengths of 98.7' and 127'. For radii not shown use rating for next larger radius. For fly capacities with main boom length less than fully extended, the rated capacities are determined by the boom angle. For angles not shown use the next lower boom angle to determine the rated capacity.
19. The 41' 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' 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:

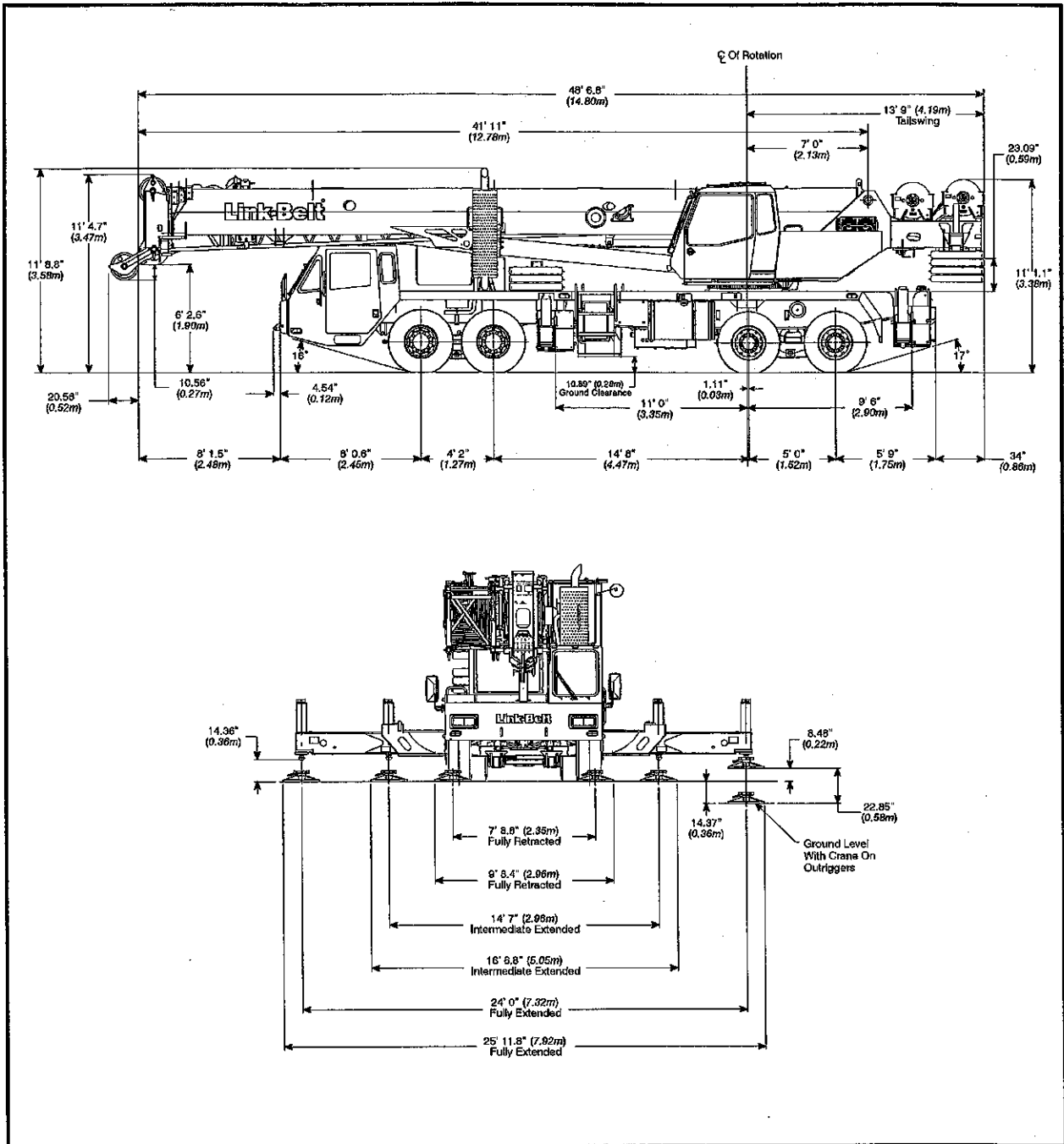
1. Loaded Boom Angle In Degrees: \angle° The angle between the boom base section and horizontal with freely suspended load at the rated radius.
2. Load Radius: Horizontal distance from a projection of the axis of rotation to the supporting surface, before loading, to the center of the vertical hoist line or tackle with load applied.
3. Working Area: Area measured in a circular arc about the centerline of rotation as shown on the Working Areas 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.

Patents:

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

6,131,750	6,357,773
6,499,612	6,601,719

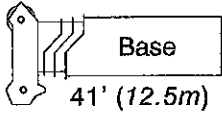

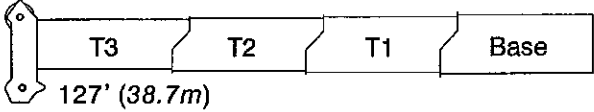
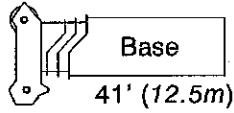

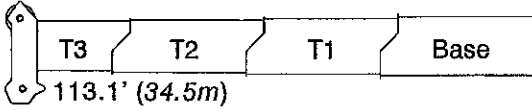
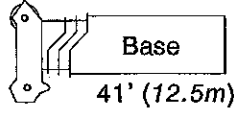

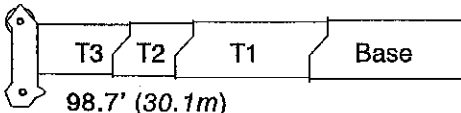
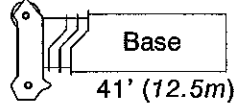

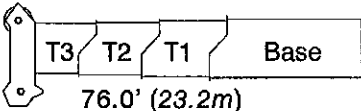
General Dimensions



Tire Inflation

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

Boom Extend Modes

Boom Length (ft)	Boom Telescope Length (ft)			EM 1	
	T3	T2	T1		
41					
50	9.0				
60	19.0				
70	27.8	1.2			
80	27.8	11.2			
90	27.8	21.2			
100	27.8	28.7	2.5		
110	27.8	28.7	12.5		
120	27.8	28.7	22.5		
127	27.8	28.7	29.5		
Boom Length (ft)	Boom Telescope Length (ft)			EM 2	
	T3	T2	T1		
41					
50	9.0				
60	13.9	5.1			
70	13.9	15.1			
80	13.9	25.1			
90	13.9	28.7	6.4		
100	13.9	28.7	16.4		
113.1	13.9	28.7	29.5		
Boom Length (ft)	Boom Telescope Length (ft)			EM 3	
	T3	T2	T1		
41					
50	9.0				
60	13.9	5.1			
70	13.9	14.3	0.8		
80	13.9	14.3	10.8		
90	13.9	14.3	20.8		
98.7	13.9	14.3	29.5		
Boom Length (ft)	Boom Fixed Length (ft)			EM 4	
	T3	T2	T1		
41					
47.0	6.0				
61.3	6.0	14.3			
76.0	6.0	14.3	14.7		

Boom Mode Performance – General Reference Guide

Shaded areas reflect maximum capacity at radius, based on boom modes and boom lengths.

0 lb Counterweight					10,800 lb Counterweight					18,400 lb Counterweight				
	EM 1	EM 2	EM 3	EM 4		EM 1	EM 2	EM 3	EM 4		EM 1	EM 2	EM 3	EM 4
Rad (ft)	Boom Length (ft)				Rad (ft)	Boom Length (ft)				Rad (ft)	Boom Length (ft)			
	50					50					50			
				47.0					47.0					47.0
10					10					10				
20					20					20				
40					40					40				
	60					60					60			
				61.3					61.3					61.3
10					10					10				
25					25					25				
40					40					40				
50					50					50				
	70					70					70			
				76					76					76
12					12					12				
25					25					25				
40					40					40				
60					60					60				
	80					80					80			
12					12					12				
25					25					25				
40					40					40				
55					55					55				
70					70					70				
	90					90					90			
15					15					15				
30					30					30				
45					45					45				
60					60					60				
80					80					80				
	100					100					100			
				98.7					98.7					98.7
20					20					20				
30					30					30				
45					45					45				
70					70					70				
90					90					90				
	110					110					110			
				113.1					113.1					113.1
25					25					25				
45					45					45				
65					65					65				
85					85					85				
100					100					100				

Pontoon Loadings

Maximum Pontoon Load (lb)	Maximum Pontoon Ground Bearing Pressure (psi)
Front – 97,400	199
Rear – 106,000	217
Bumper – 51,000	262

Winch Performance

Wire Rope Layer	Winch Line Pulls		Drum Rope Capacity (ft)	
	Two Speed Winch			
	Low Speed	High Speed	Layer	Total
	Available (lb*)	Available (lb)		
1	16,880	7,595	114	114
2	15,519	6,982	124	238
3	14,362	6,461	134	372
4	13,365	6,013	144	516
5	12,497	5,623	154	670
6	N/A	N/A	164	834

*Maximum lifting capacity: Type GC Rope=22,400 lb, Type RB Rope=12,920 lb, Type ZB Rope=15,600 lb

Wire Rope Capacity Chart

Maximum Lifting Capacities Based On Wire Rope Strength				Wire Rope Line Pull – Third Layer*
Parts of Line	3/4"	3/4"	3/4"	
	Type GC	Type RB	Type ZB	
1	22,400	12,920	15,600	14,362
2	44,800	25,840	31,200	28,724
3	67,200	38,760	46,800	43,086
4	89,600	51,680	62,400	57,448
5	112,000	64,600	78,000	71,810
6	134,400	77,520	93,600	86,172
7	156,800	90,440	109,200	100,534
8	179,200	103,360	124,800	114,896
9	201,600	116,280	140,400	129,258
10	224,000	129,200	156,000	143,620
11	—	142,120	171,600	157,982
Rope Weight—Pounds Per Foot	1.1	1.2	1.3	N/A
LBCE Type	Description			
GC	4 Strand, Low Torque, Compacted Strand, Right Regular Lay			
RB	18 X 19 Rotation Resistant – Compacted Strand – High Strength Preformed, Right Regular Lay			
ZB	34 X 7 Non–Rotating – Extra Improved Plow Steel – Right Regular Lay			

* Available low speed winch line pull on third layer wire rope.

Notes:

- Capacities shown are in pounds and working loads must not exceed the ratings on the capacity charts in the Crane Rating Manual.
- Capacity deducts for auxiliary lifting devices do not apply for wire rope strength capacities.
- Special reeving is required when using more than 10 parts of line.
- Consult Operator's Manual for wire rope inspection procedures, single part of line applications, and reeving diagrams.
- Due to the high single line pull allowable when using type "GC" wire rope, it is recommended that the winch available line pull be used to calculate the required parts of line to make the lift. (Calculations are given for third layer. See Wire Rope Capacity Chart above.)

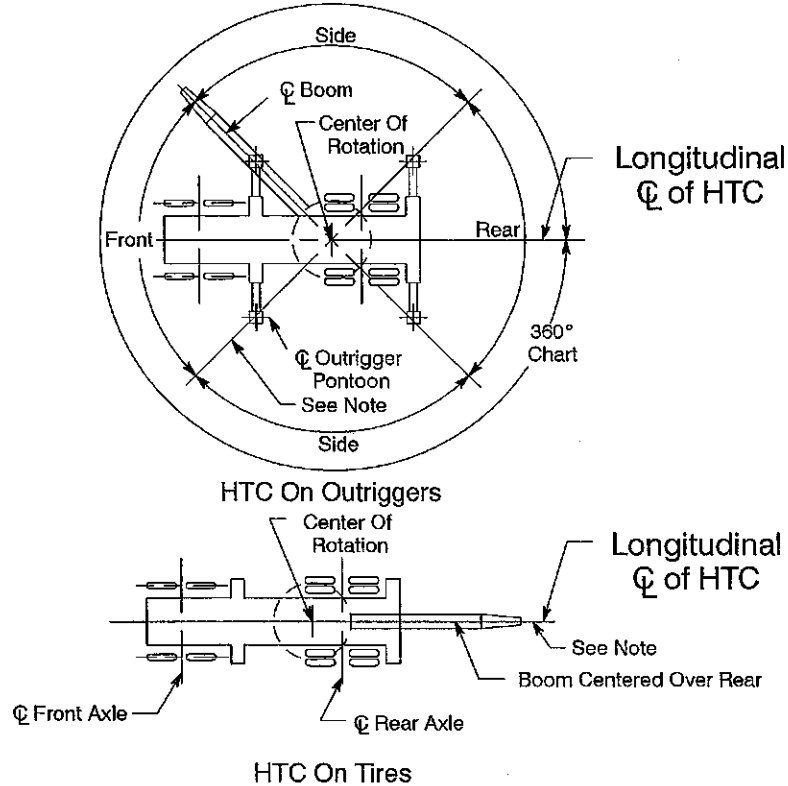
If using other than the third layer, calculate per the follow examples:

Using the 1st layer line pull to lift from: $(\text{Load}(\text{lb})/16,880=\text{Parts of line})$

Using the 4th layer line pull to lift from: $(\text{Load}(\text{lb})/13,365=\text{Parts of line})$

If the above formula is not used to calculate parts of line for the type "GC" wire rope, the possibility exists that the wire rope single line pull will be greater than the winch available line pull, causing the winch to stall.

Working Areas




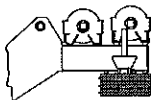
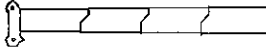
Note: These Lines Determine The Limiting Position Of Any Load For Operation Within Working Areas Indicated.

Capacity Deductions


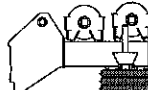
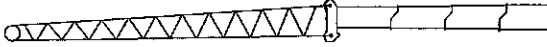
Load Handling Equipment	Weight (lb)
30 Ton Quick Reeve 3 Sheave Hook Block (See Hook Block For Actual Weight)	711
40 Ton Quick Reeve 4 Sheave Hook Block (See Hook Block For Actual Weight)	900
60 Ton Quick Reeve 4 Sheave Hook Block (See Hook Block For Actual Weight)	1,109
75 Ton Quick Reeve 5 Sheave Hook Block (See Hook Block For Actual Weight)	1,406
8.5 Ton Hook Ball (See Hook Ball For Actual Weight)	360
10 Ton Hook Ball (See Hook Ball For Actual Weight)	583

Auxiliary Lifting Devices	Weight (lb)	
Auxiliary Lifting Sheave Attached	100	
Lifting From Main Boom With:	2° Offset	15°–45° Offset
38' or 64' Fly Stowed On Boom Base (See Operation Note 5)	0	0
38' Offset Fly Erected But Not Used	6,200	11,500
64' Offset Fly Erected But Not Used	11,200	21,900
80' or 96' Offset Fly Erected But Not Used	Prohibited	
16' Fly Erected But Not Used	2,300	N/A
Lifting From 38' Offset Fly With:		
26' Fly Tip Erected But Not Used	Prohibited	
26' Fly Tip Stowed On 38' Offset Fly		
Note: Capacity deductions are for Link-Belt supplied equipment only.		

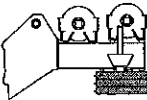


Allowable Crane Configuration – Main Boom

						
		Boom Length (ft)				
Outrigger Position	Counterweight (lb)	EM 1	EM 2	EM 3	EM 4	
Full	0	41–127	41–113.1	41–98.7	41–76	
	3,600					
	7,200					
	10,800					
	14,400					
	18,400					
Intermediate	0	41–110	41–100	41–98.7	41–76	
	3,600	41–120	41–113.1			
	7,200					
	10,800					
	14,400					
	18,400					
Retracted	0	Not Allowed				
	3,600					
	7,200					41–90
	10,800					41–100
	14,400					41–110
	18,400					
On Tires	0–18,400	41–90	Not Allowed			

Allowable Crane Configuration – Main Boom + Attachments

												
		Boom Length (ft)										
Outrigger Position	Counterweight (lb)	EM 1	EM 3	EM 1	EM 3	EM 1	EM 1					
		38' Fly	64' Fly	80' Fly	96' Fly	16' Ext.						
Full	0	EM1 41–127 EM3 41–98.7			Not Allowed							
	3,600											
	7,200											
	10,800											
	14,400											
	18,400											
Intermediate	0–18,400	Not Allowed										
Retracted	0–18,400											
On Tires	0–18,400											

Backward Stability – Maximum Boom Angle

				
Counterweight (lb)	On Tires	Outrigger Position		
		Retracted	Intermediate	Full
0	80°	80°	80°	
3,600	76°			
7,200	70°			
10,800	63°			
14,400	57°			
18,400	49°			
Maximum boom angle is based on retracted boom at the least stable over side position.				

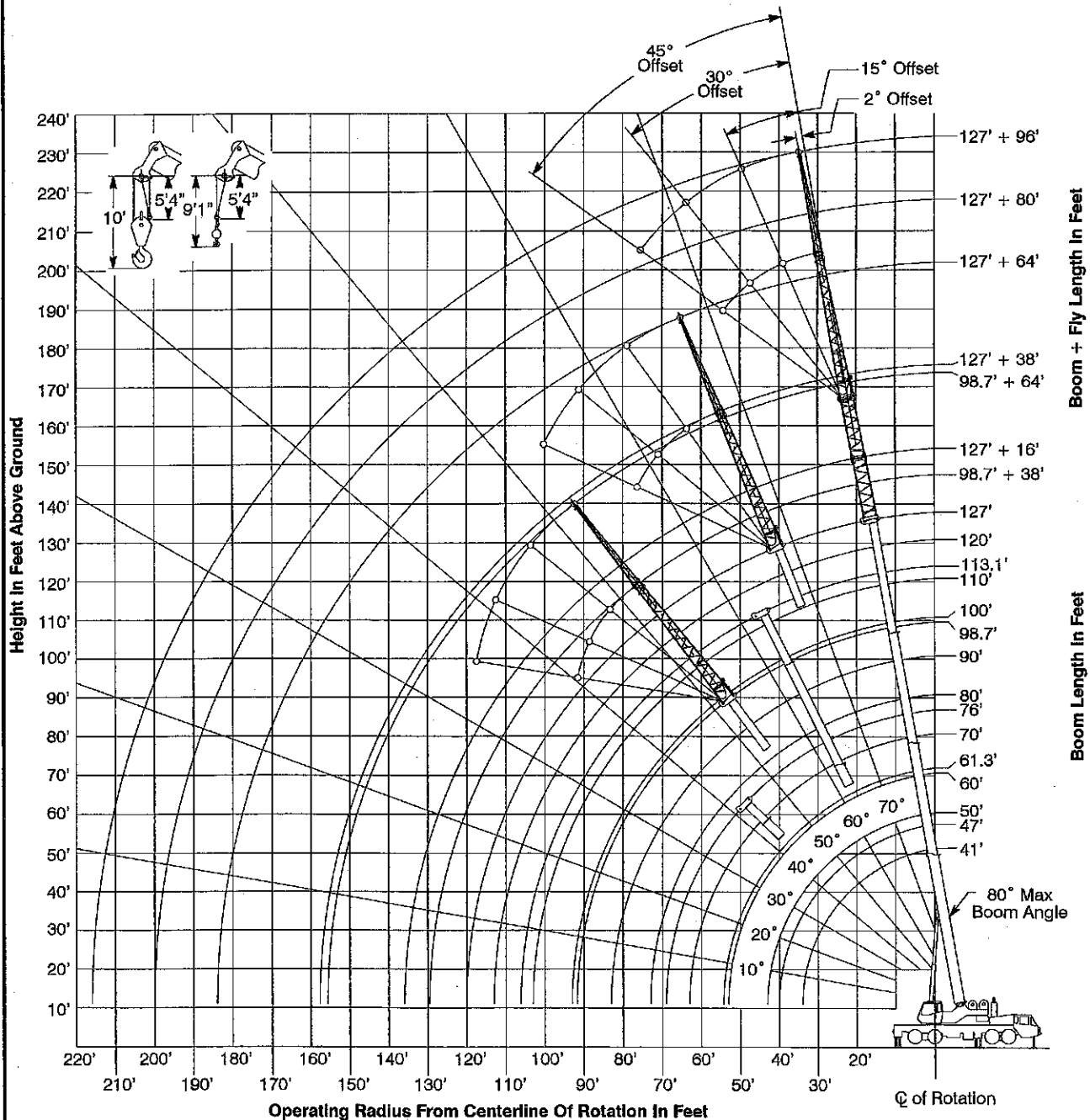
Wind Speed Restrictions

If The Wind Speed Is:	Rated Lifted Capacities Must Be Reduced By At Least:
0–20 mph	Normal Lifting Operations (See Capacity Charts)
21–29 mph	40%
30–39 mph	70%
40 mph or Greater	Crane operation must be shutdown and the boom retracted and lowered to horizontal.
<ul style="list-style-type: none"> Additional reductions are required for loads with large wind sail area. These restrictions are based on crane on fully extended outriggers. During high winds (above 20 mph), the operator shall add 10° to all minimum boom angles due to no load stability and shall not boom down below that angle. 	

Hydraulic Circuit Pressure Settings

Function	Pressure (psi)
Front And Rear Winch	3,500
Outriggers	3,000
Boom Hoist	3,850
Telescope	3,850
Swing	2,000
Steering	2,000
Bumper Outrigger	650
Pilot Control	500

Working Range Diagram



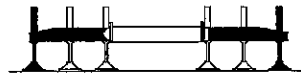
Note: Boom and fly geometry shown are for unloaded condition and crane standing level on firm supporting surface. Boom deflection, subsequent radius, and boom angle change must be accounted for when applying load to hook.



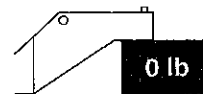
WARNING

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

**Rated Lifting Capacities
In Pounds**



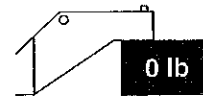
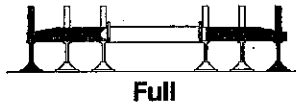
Full



Load Radius (ft)	41.0 ft			50.0 ft			60.0 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear	Δ°	360°	Over Rear
10	70.0	124,900	124,900	74.0	89,000	89,000	77.0	62,900	62,900
12	66.5	102,600	102,600	71.5	87,100	87,100	75.0	58,500	58,500
15	62.0	79,900	79,900	68.0	80,000	80,000	72.0	53,000	53,000
20	53.0	57,100	57,100	61.0	59,100	59,100	67.0	45,700	45,700
25	43.0	43,300	43,300	54.0	45,300	45,300	61.5	40,200	40,200
30	30.0	30,600	30,600	46.0	33,100	33,100	55.5	34,600	34,600
35				36.5	24,600	24,800	49.0	26,100	26,400
40				23.5	18,600	19,200	42.0	20,200	20,800
45							33.5	16,000	16,800
50							21.5	12,800	13,700
Min.Bm. Ang./Cap.	0.0	23,400	23,800	0.0	15,800	16,600	0.0	11,300	11,500
Radius (ft)	34.0			43.0			53.0		

Load Radius (ft)	70.0 ft			80.0 ft			90.0 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear	Δ°	360°	Over Rear
10	79.0	49,800	49,800						
12	77.5	46,500	46,500	79.5	42,400	42,400			
15	75.0	42,200	42,200	77.5	42,400	42,400	79.0	36,700	36,700
20	70.5	36,400	36,400	73.5	37,900	37,900	76.0	36,700	36,700
25	66.0	31,900	31,900	70.0	33,800	33,800	73.0	34,500	34,500
30	61.5	26,400	26,400	66.0	30,800	30,800	69.5	30,700	30,700
35	56.5	25,600	25,600	62.0	27,400	27,600	66.0	27,700	27,700
40	51.5	21,100	21,800	57.5	21,400	22,000	62.0	21,600	22,200
45	45.5	16,900	17,700	52.5	17,200	18,000	58.0	17,400	18,200
50	38.5	13,800	14,700	47.5	14,100	14,900	54.0	14,200	15,100
55	31.0	11,400	12,300	42.5	11,700	12,600	49.5	11,900	12,800
60	20.0	9,500	10,300	36.0	9,800	10,700	45.0	10,000	10,900
65				29.0	8,300	9,100	40.0	8,500	9,300
70				18.5	6,900	7,700	34.0	7,200	8,000
75							27.0	6,100	6,900
80							17.5	5,100	5,900
Min.Bm. Ang./Cap.	0.0	8,500	8,600	0.0	6,300	7,100	0.0	4,600	5,400
Radius (ft)	63.0			73.0			83.0		

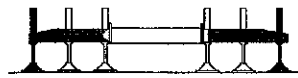
**Rated Lifting Capacities
In Pounds**



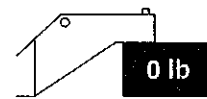
Load Radius (ft)	100.0 ft			110.0 ft		
	\angle°	360°	Over Rear	\angle°	360°	Over Rear
20	77.5	30,700	30,700	79.0	29,100	29,100
25	75.0	30,700	30,700	77.0	29,100	29,100
30	72.0	28,400	28,400	74.5	29,100	29,100
35	69.0	25,700	25,700	72.0	26,600	26,600
40	66.0	21,700	22,200	68.5	21,400	21,900
45	62.5	17,400	18,200	65.5	17,100	17,900
50	58.5	14,300	15,100	62.5	14,000	14,900
55	55.0	12,000	12,800	59.0	11,700	12,600
60	51.0	10,100	11,000	55.5	9,800	10,700
65	47.0	8,500	9,400	52.5	8,300	9,200
70	42.5	7,200	8,100	48.5	7,000	7,900
75	38.0	6,200	7,000	45.0	5,900	6,800
80	32.5	5,200	6,000	40.5	5,000	5,800
85	26.0	4,400	5,100	36.0	4,200	5,000
90	17.0	3,700	4,400	31.0	3,500	4,200
95				24.5	2,900	3,600
100				16.0	2,300	3,000
Min.Bm. Ang./Cap.	0.0	3,300	4,000	0.0	2,100	2,700
Radius (ft)	93.0			103.0		

Load Radius (ft)	120.0 ft			127.0 ft		
	\angle°	360°	Over Rear	\angle°	360°	Over Rear
25	78.5	25,500	25,500	79.0	22,600	22,600
30	76.5	25,500	25,500	77.0	22,600	22,600
35	74.0	23,500	25,500	75.5	22,600	22,600
40	71.5	21,100	21,700	73.0	20,900	21,600
45	68.5	16,900	17,700	70.0	16,700	17,500
50	65.5	13,700	14,700	67.5	13,600	14,500
55	62.5	11,500	12,400	64.5	11,300	12,300
60	59.5	9,600	10,500	62.0	9,500	10,400
65	56.5	8,000	9,000	59.0	7,900	8,800
70	53.5	6,800	7,700	56.0	6,600	7,600
75	50.0	5,700	6,600	53.0	5,600	6,500
80	46.5	4,800	5,600	50.0	4,700	5,500
85	43.0	4,000	4,800	47.0	3,900	4,700
90	39.0	3,300	4,100	43.5	3,200	4,000
95	34.5	2,700	3,400	39.5	2,600	3,300
100	30.0	2,200	2,900	35.5	2,100	2,800
105	24.0	1,700	2,300	31.0	1,600	2,200
110	15.5	1,300	1,900	25.5	1,200	1,800
115						
Min.Bm. Ang./Cap.	0.0	1,000	1,700	20.5		
Radius (ft)	113.0			113.8		

**Rated Lifting Capacities
In Pounds**



Full



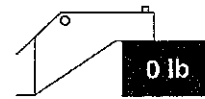
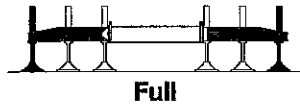
0 lb



Load Radius (ft)	41.0 ft			50.0 ft			60.0 ft			70.0 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear	Δ°	360°	Over Rear	Δ°	360°	Over Rear
10	70.0	124,900	124,900	74.0	89,000	89,000	77.0	77,000	77,000	79.5	74,000	74,000
12	66.5	102,600	102,600	71.5	87,100	87,100	75.0	72,200	72,200	77.5	74,000	74,000
15	62.0	79,900	79,900	68.0	80,000	80,000	72.0	66,000	66,000	75.0	68,500	68,500
20	53.0	57,100	57,100	61.0	59,100	59,100	67.0	57,800	57,800	71.0	60,700	60,700
25	43.0	43,300	43,300	54.0	45,800	45,800	61.5	46,400	46,400	66.5	46,900	46,900
30	30.0	30,600	30,600	46.0	33,100	33,100	55.5	34,200	34,200	61.5	34,800	34,800
35				36.5	24,600	24,800	49.0	25,800	26,000	56.5	26,300	26,500
40				23.5	18,600	19,200	41.5	19,800	20,500	51.0	20,400	21,000
45							33.0	15,700	16,500	45.0	16,200	17,100
50							21.5	12,600	13,400	38.5	13,100	14,000
55										30.5	10,800	11,600
60										20.0	8,800	9,700
Min.Bm. Ang./Cap.	0.0	23,400	23,800	0.0	15,800	16,600	0.0	11,000	11,900	0.0	7,800	8,700
Radius (ft)	34.0			43.0			53.0			63.0		

Load Radius (ft)	80.0 ft			90.0 ft			100.0 ft			113.1 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear	Δ°	360°	Over Rear	Δ°	360°	Over Rear
12	79.5	57,000	57,000									
15	77.5	51,900	51,900	79.5	48,700	48,700						
20	73.5	44,900	44,900	76.0	42,800	42,800	78.5	42,500	42,500			
25	70.0	39,500	39,500	73.0	38,100	38,100	75.5	38,300	38,300	78.0	32,800	32,800
30	66.0	35,100	35,100	69.5	34,100	34,100	72.5	34,800	34,800	75.5	32,100	32,100
35	61.5	26,700	26,900	65.5	26,600	26,800	69.0	26,400	26,600	72.5	26,100	26,300
40	57.0	20,800	21,400	62.0	20,700	21,300	65.5	20,500	21,100	69.5	20,200	20,900
45	52.5	16,500	17,400	58.0	16,500	17,300	62.0	16,300	17,100	66.5	16,000	16,900
50	47.5	13,400	14,400	53.5	13,400	14,300	58.5	13,200	14,100	63.5	12,900	13,900
55	42.0	11,100	12,100	49.5	11,100	12,000	54.5	10,900	11,900	60.0	10,700	11,700
60	36.0	9,200	10,100	44.5	9,200	10,200	51.0	9,000	10,000	57.0	8,800	9,800
65	28.5	7,700	8,500	39.5	7,700	8,600	47.0	7,500	8,400	53.5	7,300	8,300
70	18.5	6,400	7,200	34.0	6,400	7,300	42.5	6,200	7,100	50.0	6,000	7,000
75				27.0	5,300	6,100	37.5	5,200	6,000	46.5	5,000	5,900
80				17.5	4,400	5,200	32.5	4,300	5,100	42.5	4,100	4,900
85							26.0	3,500	4,200	38.5	3,300	4,100
90							17.0	2,800	3,500	34.0	2,600	3,400
95										28.5	2,000	2,700
100										21.5	1,500	2,200
105										10.5	1,000	1,700
Min.Bm. Ang./Cap.	0.0	5,700	6,500	0.0	3,900	4,700	0.0	2,400	3,100	0.0	900	1,600
Radius (ft)	73.0			83.0			93.0			106.1		

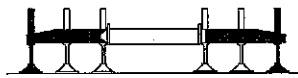
Rated Lifting Capacities In Pounds



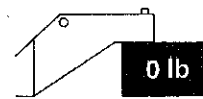
Load Radius (ft)	41.0 ft			50.0 ft			60.0 ft			70.0 ft		
	\angle °	360°	Over Rear	\angle °	360°	Over Rear	\angle °	360°	Over Rear	\angle °	360°	Over Rear
10	70.0	124,300	124,300	74.0	89,000	89,000	77.0	77,000	77,000	79.5	74,400	74,400
12	66.5	102,600	102,600	71.5	87,100	87,100	75.0	72,200	72,200	77.5	74,300	74,300
15	62.0	79,900	79,900	68.0	80,000	80,000	72.0	66,000	66,000	75.0	68,700	68,700
20	53.0	57,100	57,100	61.0	59,100	59,100	67.0	57,800	57,800	71.0	60,300	60,600
25	43.0	43,300	43,300	54.0	45,300	45,300	61.5	46,400	46,400	66.0	46,800	46,800
30	30.0	30,600	30,600	46.0	33,100	33,100	55.5	34,200	34,200	61.5	34,700	34,700
35				36.5	24,600	24,800	49.0	25,800	26,000	56.5	26,300	26,500
40				23.5	18,600	19,200	41.5	19,800	20,500	51.0	20,300	21,000
45							33.0	15,700	16,500	45.0	16,100	17,000
50							21.5	12,600	13,400	38.5	13,000	13,900
55										30.5	10,700	11,600
60										20.0	8,800	9,700
Min.Bm. Ang./Cap.	0.0	23,400	23,800	0.0	15,800	16,600	0.0	11,000	11,900	0.0	7,800	8,700
Radius (ft)	34.0			43.0			53.0			63.0		

Load Radius (ft)	80.0 ft			90.0 ft			98.7 ft		
	\angle °	360°	Over Rear	\angle °	360°	Over Rear	\angle °	360°	Over Rear
12	79.5	62,800	62,800						
15	77.5	62,800	62,800	79.5	61,400	61,400			
20	74.0	60,400	60,400	76.5	57,100	57,100	78.0	47,900	47,900
25	70.0	46,700	46,700	73.0	46,500	46,500	75.5	42,500	42,500
30	65.5	34,500	34,500	69.5	34,300	34,300	72.0	34,100	34,100
35	61.5	26,000	26,200	65.5	25,800	26,000	68.5	25,600	25,900
40	57.0	20,100	20,800	61.5	19,900	20,600	65.0	19,800	20,500
45	52.5	15,900	16,800	57.5	15,700	16,600	61.5	15,600	16,500
50	47.5	12,800	13,800	53.5	12,800	13,600	58.0	12,600	13,500
55	42.0	10,500	11,500	49.5	10,400	11,400	54.0	10,300	11,300
60	36.0	8,700	9,600	44.5	8,500	9,500	50.0	8,400	9,400
65	28.5	7,100	8,000	39.5	7,000	8,000	46.0	6,900	7,900
70	18.5	5,800	6,700	34.0	5,800	6,600	41.5	5,700	6,600
75				27.0	4,700	5,500	36.5	4,600	5,500
80				17.5	3,800	4,600	31.0	3,700	4,500
85							24.0	2,900	3,700
90							13.5	2,200	3,000
Min.Bm. Ang./Cap.	0.0	5,200	6,000	0.0	3,300	4,100	0.0	2,000	2,700
Radius (ft)	73.0			83.0			91.7		

**Fixed Boom Lengths
Rated Lifting Capacities
In Pounds
See Operation Note 10.**

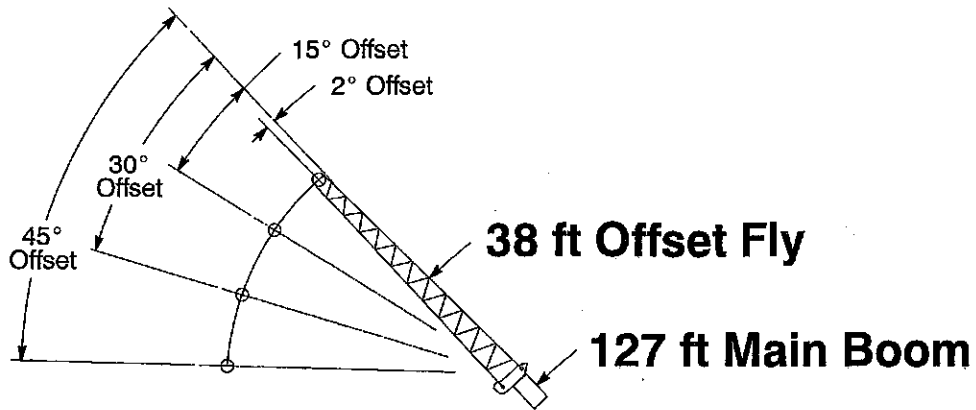



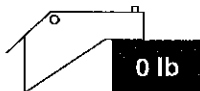





Full

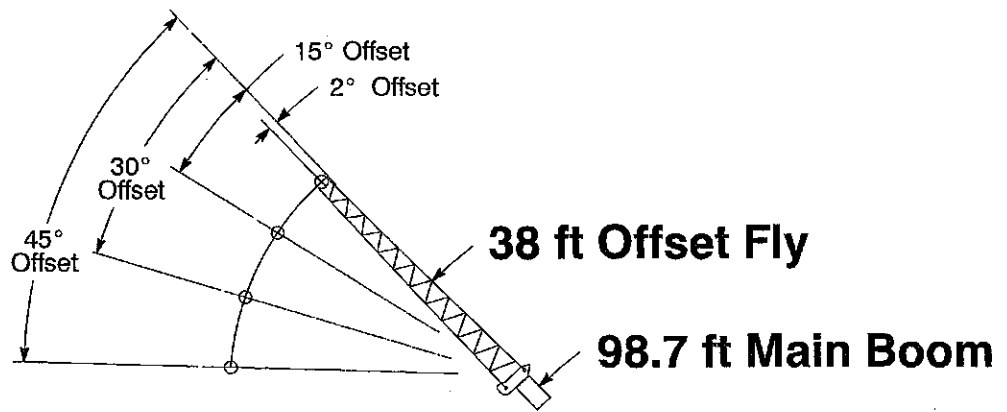



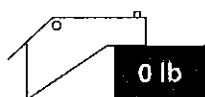





Load Radius (ft)	41.0 ft			47.0 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear
10	70.0	124,900	124,900	73.0	110,700	110,700
12	66.5	102,800	102,800	70.0	103,900	103,900
15	62.0	79,900	79,900	66.0	81,800	81,800
20	53.0	57,100	57,100	59.0	58,500	58,500
25	43.0	48,800	48,800	51.0	44,700	44,700
30	30.0	30,600	30,600	42.0	32,400	32,400
35				30.5	23,900	24,200
Min.Bm. Ang./Cap.	0.0	23,400	23,800	0.0	17,800	18,600
Radius (ft)	34.0			40.0		

Load Radius (ft)	61.3 ft			76.0 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear
10	77.5	106,900	106,900			
12	75.5	104,800	104,800	79.0	81,000	81,000
15	72.5	82,500	82,500	77.0	77,400	77,400
20	67.5	59,800	59,800	72.5	59,700	59,700
25	62.0	46,000	46,000	68.5	46,000	46,000
30	56.0	33,800	33,800	64.0	33,600	33,600
35	50.0	25,400	25,600	59.5	25,200	25,500
40	43.0	19,400	20,200	55.0	19,300	20,000
45	35.0	15,300	16,100	49.5	15,100	16,100
50	24.5	12,200	13,000	44.5	12,100	13,100
55				38.0	9,800	10,800
60				31.0	7,900	8,900
65				21.5	6,400	7,300
Min.Bm. Ang./Cap.	0.0	10,100	11,000	0.0	5,300	6,200
Radius (ft)	54.3			69.0		



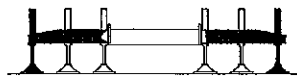
Rated Lifting Capacities In Pounds		 Full		 0 lb				
Load Radius (ft)	2° Offset		15° Offset		30° Offset		45° Offset	
		360°		360°		360°		360°
35	79.5	10,900						
40	78.0	10,900						
45	76.5	10,900	79.5	10,400				
50	75.0	10,900	78.0	10,300				
55	73.5	10,900	76.5	10,100	79.5	9,100		
60	72.0	10,200	75.0	9,900	77.5	8,900		
65	69.5	8,600	73.0	9,400	76.0	8,700	78.0	8,100
70	67.5	7,300	70.5	8,000	74.0	8,600	76.5	8,000
75	65.0	6,200	68.5	6,800	72.0	7,500	74.5	7,900
80	62.5	5,200	66.0	5,800	69.5	6,400	72.0	6,900
85	60.5	4,400	63.5	5,000	67.0	5,500	69.5	5,900
90	58.0	3,700	61.5	4,200	64.5	4,700	67.0	5,000
95	55.5	3,100	59.0	3,500	62.0	4,000	64.0	4,300
100	53.0	2,600	56.5	3,000	59.5	3,300	61.5	3,600
105	50.5	2,100	53.5	2,400	56.5	2,800	58.5	3,000
110	48.0	1,600	51.0	2,000	54.0	2,300	55.5	2,500
115	45.0	1,200	48.0	1,500	51.0	1,800	52.5	2,000
120			45.0	1,100	47.5	1,400	49.0	1,500
125					44.0	1,000	45.0	1,100
Min.Bm. Ang./Cap.	42.0		42.5		43.0		43.0	
Radius (ft)	120.0		123.3		126.3		127.5	
Maximum Boom Length At 0° Boom Angle (ft)		93						



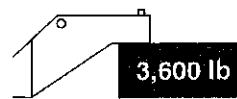
Rated Lifting Capacities In Pounds		 Full		 0 lb				
Load Radius (ft)	2° Offset		15° Offset		30° Offset		45° Offset	
	 0°	360°	 0°	360°	 0°	360°	 0°	360°
30	78.0	16,200		12,500				
35	76.0	15,600						
40	74.0	14,900						
45	72.0	14,300	75.0	12,000	78.5	10,100		
50	69.5	13,600	73.0	11,500	76.5	9,800		
55	67.0	11,900	70.5	11,100	74.0	9,500		
60	64.5	9,900	68.5	10,700	72.0	9,300	74.5	8,400
65	62.0	8,300	65.5	9,100	69.5	8,000	72.0	8,300
70	59.0	7,000	63.0	7,700	67.0	8,400	69.5	8,100
75	56.5	5,900	60.0	6,600	64.0	7,200	67.0	7,700
80	53.5	5,000	57.5	5,500	61.0	6,100	63.5	6,500
85	50.5	4,200	54.5	4,700	57.5	5,200	60.0	5,500
90	47.5	3,500	51.0	3,900	54.5	4,300	56.5	4,600
95	44.0	2,900	48.0	3,300	51.0	3,600	53.0	3,800
100	40.5	2,300	44.5	2,700	47.5	3,000	49.0	3,100
105	37.0	1,900	40.5	2,100	43.5	2,400	44.5	2,500
110	32.5	1,400	36.0	1,700	38.5	1,900		
115	27.5	1,000	31.0	1,200	33.5	1,400		
Min.Bm. Ang./Cap.	25.5		26.5		26.5		26.5	
Radius (ft)	116.7		118.8		120.0		120.0	
Maximum Boom Length At 0° Boom Angle (ft)		93						

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**Rated Lifting Capacities
In Pounds**



Full



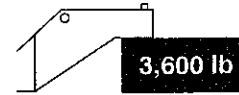
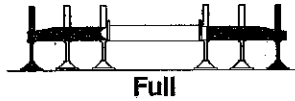
3,600 lb



Load Radius (ft)	41.0 ft			50.0 ft			60.0 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear	Δ°	360°	Over Rear
10	70.0	129,100	129,100	74.0	89,000	89,000	77.0	62,900	62,900
12	66.5	106,100	106,100	71.5	87,100	87,100	75.0	58,500	58,500
15	62.0	82,800	82,800	68.0	80,000	80,000	72.0	53,000	53,000
20	53.0	59,300	59,300	61.0	61,200	61,200	67.0	45,700	45,700
25	43.0	45,000	45,000	54.0	47,000	47,000	61.5	40,200	40,200
30	30.0	33,900	33,900	46.0	36,300	36,300	55.5	35,900	35,900
35				36.5	27,400	27,400	49.0	29,000	29,000
40				24.0	21,200	21,400	42.0	22,800	23,000
45							33.5	18,300	18,600
50							21.5	14,800	15,300
Min.Bm. Ang./Cap.	0.0	25,500	25,500	0.0	16,600	16,600	0.0	11,500	11,500
Radius (ft)	34.0			43.0			53.0		

Load Radius (ft)	70.0 ft			80.0 ft			90.0 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear	Δ°	360°	Over Rear
10	79.0	49,800	49,800						
12	77.5	46,500	46,500	79.5	42,400	42,400			
15	75.0	42,200	42,200	77.5	42,400	42,400	79.0	36,700	36,700
20	70.5	36,400	36,400	73.5	37,900	37,900	76.0	36,700	36,700
25	66.0	31,900	31,900	70.0	33,600	33,600	73.0	34,500	34,500
30	61.5	28,400	28,400	66.0	30,800	30,800	69.5	30,700	30,700
35	56.5	25,600	25,600	62.0	27,500	27,500	66.0	27,700	27,700
40	51.5	23,200	23,200	57.5	24,100	24,200	62.5	24,300	24,400
45	45.5	19,200	19,600	53.0	19,400	19,900	58.5	19,600	20,000
50	39.0	15,800	16,300	48.0	16,000	16,600	54.0	16,200	16,800
55	31.0	13,100	13,700	42.5	13,400	14,000	50.0	13,600	14,200
60	20.0	11,000	11,700	36.5	11,400	12,000	45.0	11,600	12,300
65				29.0	9,700	10,300	40.0	9,900	10,500
70				19.0	8,200	8,900	34.5	8,500	9,100
75							27.5	7,300	7,900
80							18.0	6,200	6,900
Min.Bm. Ang./Cap.	0.0	8,600	8,600	0.0	7,900	7,900	0.0	5,700	6,200
Radius (ft)	63.0			73.0			83.0		

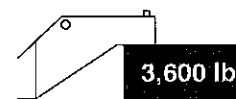
**Rated Lifting Capacities
In Pounds**



Load Radius (ft)	100.0 ft			110.0 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear
20	77.5	30,700	30,700	79.0	29,100	29,100
25	75.0	30,700	30,700	77.0	29,100	29,100
30	72.0	28,400	28,400	74.5	29,100	29,100
35	69.0	25,700	25,700	72.0	26,600	26,600
40	66.0	23,400	23,400	69.0	24,000	24,100
45	62.5	19,700	20,100	66.0	19,400	19,800
50	59.0	16,200	16,800	62.5	16,000	16,500
55	55.0	13,600	14,200	59.5	13,300	14,000
60	51.5	11,600	12,300	56.0	11,400	12,100
65	47.0	9,900	10,600	52.5	9,700	10,400
70	43.0	8,500	9,200	49.0	8,300	9,000
75	38.0	7,300	8,000	45.0	7,100	7,800
80	32.5	6,300	6,900	41.0	6,100	6,800
85	26.0	5,400	6,000	36.5	5,200	5,900
90	17.0	4,700	5,200	31.0	4,500	5,100
95				25.0	3,800	4,400
100				16.5	3,200	3,800
Min.Bm. Ang./Cap.	0.0	4,300	4,800	0.0	2,900	3,400
Radius (ft)	93.0			103.0		

Load Radius (ft)	120.0 ft			127.0 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear
25	78.5	25,500	25,500	79.0	22,600	22,600
30	76.5	25,500	25,500	77.0	22,600	22,600
35	74.0	25,500	25,500	75.5	22,600	22,600
40	71.5	23,800	23,900	73.5	22,600	22,600
45	68.5	19,100	19,600	70.5	19,000	19,400
50	66.0	15,700	16,300	68.0	15,600	16,200
55	63.0	13,100	13,800	65.0	12,900	13,600
60	60.0	11,100	11,800	62.0	11,000	11,700
65	57.0	9,500	10,200	59.5	9,300	10,100
70	53.5	8,100	8,800	56.5	7,900	8,700
75	50.5	6,900	7,600	53.5	6,800	7,500
80	47.0	5,900	6,600	50.5	5,800	6,500
85	43.0	5,000	5,700	47.0	4,900	5,600
90	39.5	4,300	4,900	43.5	4,200	4,800
95	35.0	3,600	4,200	40.0	3,500	4,100
100	30.0	3,000	3,600	36.0	2,900	3,500
105	24.0	2,500	3,000	31.5	2,400	3,000
110	16.0	2,000	2,600	26.0	1,900	2,500
115				19.0	1,500	2,000
Min.Bm. Ang./Cap.	0.0	1,800	2,300	0.0	1,100	1,600
Radius (ft)	113.0			120.0		

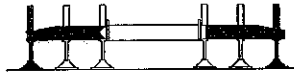
**Rated Lifting Capacities
In Pounds**



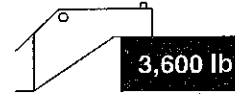
Load Radius (ft)	41.0 ft			50.0 ft			60.0 ft			70.0 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear	Δ°	360°	Over Rear	Δ°	360°	Over Rear
10	70.0	129,100	129,100	74.0	89,000	89,000	77.0	77,000	77,000	79.5	74,000	74,000
12	66.5	106,100	106,100	71.5	87,100	87,100	75.0	72,200	72,200	77.5	74,000	74,000
15	62.0	82,800	82,800	68.0	80,000	80,000	72.0	66,000	66,000	75.0	68,500	68,500
20	53.0	59,800	59,800	61.0	61,200	61,200	67.0	57,800	57,800	71.0	60,800	60,800
25	43.0	45,000	45,000	54.0	47,000	47,000	61.5	48,100	48,100	66.5	48,600	48,600
30	30.0	33,900	33,900	46.0	36,300	36,300	55.5	37,500	37,500	61.5	38,100	38,100
35				36.5	27,400	27,400	49.0	28,700	28,700	56.5	29,100	29,100
40				24.0	21,200	21,400	42.0	22,500	22,700	51.0	23,000	23,200
45							33.0	17,900	18,300	45.0	18,400	18,900
50							21.5	14,500	15,000	38.5	15,100	15,600
55										30.5	12,500	13,100
60										20.0	10,400	11,000
Min.Bm. Ang./Cap.	0.0	25,500	25,500	0.0	16,600	16,600	0.0	12,400	12,400	0.0	9,300	10,000
Radius (ft)	34.0			43.0			53.0			63.0		

Load Radius (ft)	80.0 ft			90.0 ft			100.0 ft			113.1 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear	Δ°	360°	Over Rear	Δ°	360°	Over Rear
12	79.5	57,000	57,000									
15	77.5	51,900	51,900	79.5	48,700	48,700						
20	73.5	44,900	44,900	76.0	42,800	42,800	78.5	42,500	42,500			
25	70.0	39,500	39,500	73.0	38,100	38,100	75.5	38,900	38,300	78.0	32,800	32,600
30	66.0	35,100	35,100	69.5	34,100	34,100	72.5	34,800	34,800	75.5	32,100	32,100
35	62.0	29,500	29,500	66.0	29,400	29,400	69.0	29,200	29,200	73.0	28,900	28,900
40	57.5	23,400	23,600	62.0	23,400	23,500	65.5	23,100	23,300	70.0	22,900	23,100
45	52.5	18,800	19,300	58.0	18,700	19,200	62.0	18,500	19,000	66.5	18,300	18,800
50	47.5	15,400	16,000	54.0	15,300	16,000	58.5	15,100	15,800	63.5	14,900	15,500
55	42.0	12,800	13,500	49.5	12,700	13,400	55.0	12,600	13,200	60.5	12,400	13,000
60	36.0	10,800	11,500	45.0	10,800	11,500	51.0	10,600	11,300	57.0	10,400	11,100
65	29.0	9,100	9,800	40.0	9,100	9,800	47.0	8,900	9,600	54.0	8,700	9,500
70	18.5	7,700	8,300	34.0	7,700	8,400	42.5	7,500	8,200	50.5	7,300	8,100
75				27.0	6,500	7,200	38.0	6,400	7,000	47.0	6,200	6,900
80				17.5	5,500	6,100	32.5	5,400	6,000	43.0	5,200	5,900
85							26.0	4,500	5,100	38.5	4,300	5,000
90							17.0	3,700	4,300	34.0	3,600	4,200
95										28.5	2,900	3,500
100										22.0	2,300	2,900
105										11.0	1,800	2,400
Min.Bm. Ang./Cap.	0.0	6,900	7,600	0.0	4,900	5,600	0.0	3,300	3,900	0.0	1,700	2,300
Radius (ft)	73.0			83.0			93.0			106.1		

**Rated Lifting Capacities
In Pounds**



Full



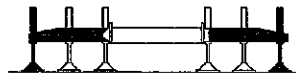
3,600 lb



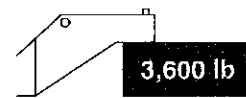
Load Radius (ft)	41.0 ft			50.0 ft			60.0 ft			70.0 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear	Δ°	360°	Over Rear	Δ°	360°	Over Rear
10	70.0	129,100	129,100	74.0	89,000	89,000	77.0	77,000	77,000	79.5	74,400	74,400
12	66.5	106,100	106,100	71.5	87,100	87,100	75.0	72,200	72,200	77.5	74,800	74,300
15	62.0	82,800	82,800	68.0	80,000	80,000	72.0	68,000	66,000	75.0	68,700	66,700
20	53.0	59,300	59,300	61.0	61,200	61,200	67.0	57,800	57,800	71.0	60,900	60,900
25	43.0	45,000	45,000	54.0	47,000	47,000	61.5	48,100	48,100	66.5	48,600	48,600
30	30.0	33,900	33,900	46.0	36,300	36,300	55.5	37,500	37,500	61.5	38,000	38,000
35				36.5	27,400	27,400	49.0	28,700	28,700	56.5	29,100	29,100
40				24.0	21,200	21,400	42.0	22,500	22,700	51.0	23,000	23,200
45							33.0	17,900	18,300	45.0	18,400	18,900
50							21.5	14,500	15,000	38.5	15,000	15,600
55										30.5	12,500	13,000
60										20.0	10,300	11,000
Min.Bm. Ang./Cap.	0.0	25,500	25,500	0.0	16,600	16,600	0.0	12,400	12,400	0.0	9,200	9,900
Radius (ft)	34.0			43.0			53.0			63.0		

Load Radius (ft)	80.0 ft			90.0 ft			98.7 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear	Δ°	360°	Over Rear
12	79.5	62,800	62,800						
15	77.5	62,800	62,800	79.5	61,400	61,400			
20	74.0	62,500	62,500	76.5	57,100	57,100	78.0	47,900	47,900
25	70.0	48,400	48,400	73.0	48,200	48,200	75.5	42,600	42,500
30	66.0	37,700	37,700	69.5	37,500	37,500	72.0	37,400	37,400
35	61.5	28,900	28,900	65.5	28,700	28,700	68.5	28,500	28,500
40	57.0	22,800	23,000	62.0	22,600	22,800	65.0	22,400	22,700
45	52.5	18,200	18,700	58.0	18,000	18,500	61.5	17,900	18,400
50	47.5	14,800	15,500	53.5	14,800	15,300	58.0	14,500	15,200
55	42.0	12,300	12,900	49.5	12,100	12,800	54.5	12,000	12,800
60	36.0	10,200	10,900	45.0	10,100	10,900	50.5	10,000	10,800
65	28.5	8,500	9,200	39.5	8,400	9,200	46.0	8,300	9,100
70	18.5	7,100	7,800	34.0	7,100	7,700	41.5	7,000	7,700
75				27.0	5,900	6,500	37.0	5,800	6,500
80				17.5	4,900	5,500	31.0	4,800	5,500
85							24.0	3,900	4,600
90							13.5	3,200	3,800
Min.Bm. Ang./Cap.	0.0	6,400	7,000	0.0	4,300	5,000	0.0	2,900	3,600
Radius (ft)	73.0			83.0			91.7		

**Fixed Boom Lengths
Rated Lifting Capacities
In Pounds
See Operation Note 10.**

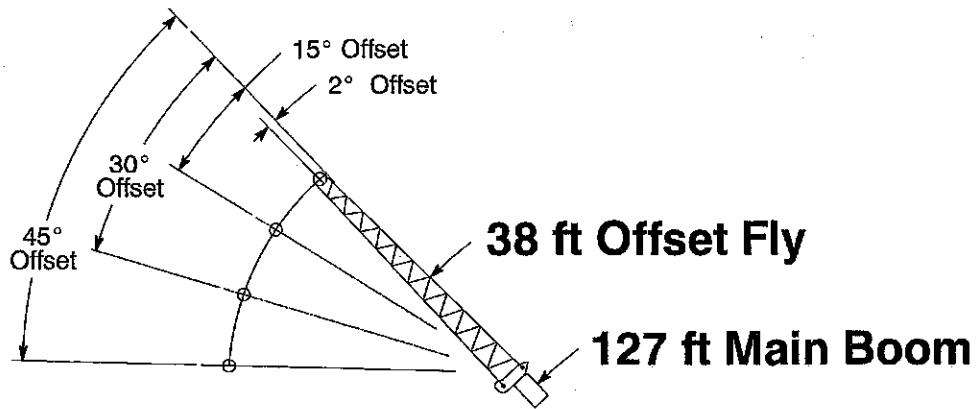



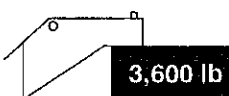

Full

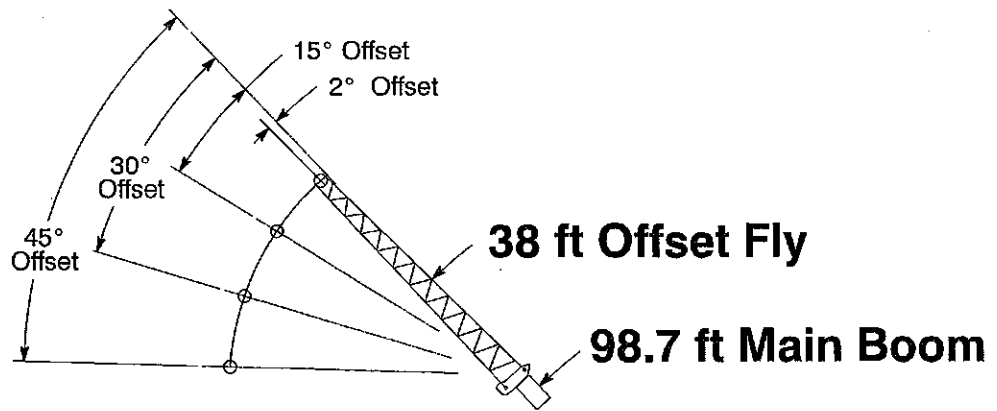



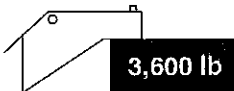





Load Radius (ft)	41.0 ft			47.0 ft		
	\angle °	360°	Over Rear	\angle °	360°	Over Rear
10	70.0	129,100	129,100	73.0	110,700	110,700
12	66.5	106,100	106,100	70.0	105,000	105,000
15	62.0	82,800	82,800	66.0	84,200	84,200
20	53.0	59,800	59,800	59.0	60,700	60,700
25	43.0	45,000	45,000	51.0	46,400	46,400
30	30.0	33,900	33,900	42.0	35,700	35,700
35				30.5	26,700	26,700
Min.Bm. Ang./Cap.	0.0	25,500	25,500	0.0	18,900	18,900
Radius (ft)		34.0			40.0	

Load Radius (ft)	61.3 ft			76.0 ft		
	\angle °	360°	Over Rear	\angle °	360°	Over Rear
10	77.5	106,900	106,900			
12	75.5	106,900	106,900	79.0	81,000	81,000
15	72.5	85,300	85,300	77.0	77,400	77,400
20	67.5	62,000	62,000	73.0	61,800	61,800
25	62.0	47,700	47,700	68.5	47,700	47,700
30	56.0	37,100	37,100	64.0	36,900	36,900
35	50.0	28,200	28,200	59.5	28,100	28,100
40	43.0	22,100	22,400	55.0	21,900	22,200
45	35.0	17,500	18,000	50.0	17,400	18,000
50	24.5	14,100	14,700	44.5	14,000	14,800
55				38.0	11,500	12,300
60				31.0	9,500	10,200
65				21.5	7,800	8,500
Min.Bm. Ang./Cap.	0.0	11,800	12,500	0.0	6,600	7,300
Radius (ft)		54.3			69.0	



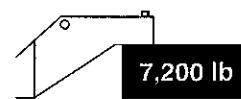
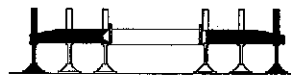
Rated Lifting Capacities In Pounds		 Full		 3,600 lb				
Load Radius (ft)	2° Offset		15° Offset		30° Offset		45° Offset	
	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°
35	79.5	10,900						
40	78.0	10,900						
45	76.5	10,900	79.5	10,400				
50	75.0	10,900	78.0	10,300				
55	73.5	10,900	76.5	10,100	79.5	9,100		
60	72.0	10,900	75.0	9,900	77.5	8,900		
65	70.0	10,000	73.0	9,700	76.0	8,700	78.0	8,100
70	68.0	8,600	71.5	9,300	74.0	8,600	76.5	8,000
75	65.5	7,400	69.0	8,000	72.5	8,500	74.5	7,900
80	63.5	6,300	66.5	6,900	70.0	7,500	72.5	7,700
85	61.0	5,500	64.5	6,000	67.5	6,500	70.0	6,900
90	58.5	4,700	62.0	5,200	65.0	5,600	67.5	6,000
95	56.5	4,000	59.5	4,400	62.5	4,900	65.0	5,200
100	54.0	3,400	57.0	3,800	60.0	4,200	62.0	4,500
105	51.5	2,900	54.5	3,200	57.0	3,600	59.0	3,800
110	48.5	2,400	51.5	2,700	54.5	3,000	56.0	3,200
115	46.0	2,000	49.0	2,300	51.5	2,500	53.0	2,700
120	43.0	1,600	46.0	1,800	48.5	2,100	50.0	2,200
125	39.5	1,200	42.5	1,500	45.0	1,700	46.0	1,700
130			39.0	1,100	41.5	1,300	42.0	1,300
Min.Bm. Ang./Cap.	36.0		36.5		37.5		37.5	
Radius (ft)	130.0		133.3		135.0		135.0	
Maximum Boom Length At 0° Boom Angle (ft)		101						



Rated Lifting Capacities In Pounds		 Full		 3,600 lb				
Load Radius (ft)	2° Offset		15° Offset		30° Offset		45° Offset	
		360°		360°		360°		360°
30	78.0	16,200						
35	76.0	15,600						
40	74.0	14,900	77.0	12,500				
45	72.0	14,300	75.0	12,000	78.5	10,100		
50	69.5	13,600	73.0	11,600	76.5	9,600		
55	67.5	13,000	70.5	11,100	74.0	9,100	77.0	8,600
60	65.0	11,500	68.5	10,700	72.0	8,700	74.5	8,400
65	62.5	9,700	66.0	10,300	69.5	8,000	72.0	8,300
70	59.5	8,300	63.5	9,000	67.0	8,600	69.5	8,100
75	57.0	7,100	60.5	7,700	64.5	8,400	67.0	8,000
80	54.0	6,100	57.5	6,600	61.5	7,200	64.0	7,600
85	51.0	5,200	54.5	5,700	58.0	6,200	60.5	6,500
90	48.0	4,500	51.5	4,900	55.0	5,300	57.0	5,600
95	44.5	3,800	48.5	4,200	51.5	4,500	53.5	4,700
100	41.0	3,200	44.5	3,500	48.0	3,800	49.5	4,000
105	37.5	2,700	41.0	2,900	44.0	3,200	45.0	3,300
110	33.5	2,200	37.0	2,400	39.5	2,600		
115	28.5	1,800	32.0	2,000	34.0	2,100		
120	23.0	1,400	26.5	1,500				
125	15.5	1,000	18.5	1,100				
Min. Bm. Ang./Cap.	10.5		11.0		14.0		16.0	
Radius (ft)	127.4		128.1		127.0		122.9	
Maximum Boom Length At 0° Boom Angle (ft)		97						

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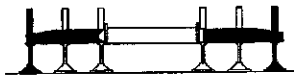
**Rated Lifting Capacities
In Pounds**



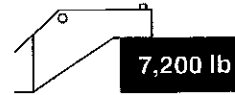
Load Radius (ft)	41.0 ft			50.0 ft			60.0 ft		
	\angle °	360°	Over Rear	\angle °	360°	Over Rear	\angle °	360°	Over Rear
10	70.0	133,300	133,300	74.0	89,000	89,000	77.0	62,900	62,900
12	66.5	109,600	109,600	71.5	87,100	87,100	75.0	58,500	58,500
15	62.0	85,600	85,600	68.0	80,000	80,000	72.0	53,000	53,000
20	53.0	61,400	61,400	61.0	63,400	63,400	67.0	45,700	45,700
25	43.0	46,700	46,700	54.0	48,700	48,700	61.5	40,200	40,200
30	30.0	36,900	36,900	46.0	38,800	38,800	55.5	35,900	35,900
35				36.5	30,000	30,000	49.0	31,600	31,600
40				24.0	23,600	23,600	42.0	25,200	25,200
45							33.5	20,500	20,500
50							21.5	16,800	17,000
Min.Bm. Ang./Cap.	0.0	25,500	25,500	0.0	16,600	16,600	0.0	11,500	11,500
Radius (ft)	34.0			43.0			53.0		

Load Radius (ft)	70.0 ft			80.0 ft			90.0 ft		
	\angle °	360°	Over Rear	\angle °	360°	Over Rear	\angle °	360°	Over Rear
10	79.0	49,800	49,800						
12	77.5	46,500	46,500	79.5	42,400	42,400			
15	75.0	42,200	42,200	77.5	42,400	42,400	79.0	36,700	36,700
20	70.5	36,400	36,400	73.5	37,900	37,900	76.0	36,700	36,700
25	66.0	31,900	31,900	70.0	33,800	33,800	73.0	34,500	34,500
30	61.5	26,400	26,400	66.0	30,300	30,300	69.5	30,700	30,700
35	56.5	25,600	25,600	62.0	27,500	27,500	66.0	27,700	27,700
40	51.5	23,200	23,200	57.5	25,200	25,200	62.5	25,200	25,200
45	45.5	21,300	21,300	53.0	21,700	21,700	58.5	21,900	21,900
50	39.0	17,700	18,000	48.0	18,000	18,200	54.5	18,200	18,400
55	31.0	14,900	15,200	42.5	15,100	15,500	50.0	15,300	15,700
60	20.0	12,600	12,900	36.5	12,900	13,300	45.5	13,000	13,500
65				29.0	11,100	11,500	40.0	11,300	11,700
70				19.0	9,500	10,000	34.5	9,800	10,200
75							27.5	8,500	8,900
80							18.0	7,300	7,800
Min.Bm. Ang./Cap.	0.0	8,600	8,600	0.0	7,300	7,300	0.0	6,200	6,200
Radius (ft)	63.0			73.0			83.0		

**Rated Lifting Capacities
In Pounds**



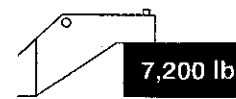
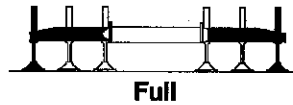
Full



Load Radius (ft)	100.0 ft			110.0 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear
20	77.5	30,700	30,700	79.0	29,100	29,100
25	75.0	30,700	30,700	77.0	29,100	29,100
30	72.0	28,400	28,400	74.5	29,100	29,100
35	69.0	26,700	26,700	72.0	26,600	26,600
40	66.0	23,400	23,400	69.0	24,400	24,400
45	62.5	21,400	21,400	66.0	21,600	21,700
50	59.0	18,200	18,400	63.0	17,900	18,200
55	55.5	15,300	15,700	59.5	15,100	15,500
60	51.5	13,100	13,500	56.0	12,800	13,300
65	47.5	11,300	11,800	52.5	11,100	11,600
70	43.0	9,800	10,300	49.0	9,600	10,100
75	38.0	8,500	9,000	45.0	8,300	8,800
80	33.0	7,400	7,900	41.0	7,200	7,700
85	28.5	6,500	6,900	36.5	6,300	6,700
90	17.0	5,600	6,100	31.5	5,400	5,900
95				25.0	4,700	5,200
100				16.5	4,000	4,500
Min.Bm. Ang./Cap.	0.0	5,200	5,200	0.0	3,700	4,100
Radius (ft)		93.0			103.0	

Load Radius (ft)	120.0 ft			127.0 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear
25	78.5	25,500	25,500	79.0	22,600	22,600
30	76.5	25,500	25,500	77.0	22,600	22,600
35	74.0	25,500	25,500	75.5	22,600	22,600
40	72.0	25,000	25,000	73.5	22,600	22,600
45	69.0	21,400	21,400	71.0	21,200	21,300
50	66.0	17,700	18,000	68.0	17,500	17,800
55	63.0	14,800	15,200	65.5	14,700	15,100
60	60.0	12,700	13,000	62.5	12,600	12,900
65	57.0	10,900	11,400	59.5	10,700	11,300
70	54.0	9,300	9,900	56.5	9,200	9,800
75	50.5	8,100	8,600	53.5	8,000	8,500
80	47.0	7,000	7,500	50.5	6,900	7,400
85	43.5	6,100	6,600	47.5	5,900	6,500
90	39.5	5,200	5,700	44.0	5,100	5,600
95	35.0	4,500	5,000	40.0	4,400	4,900
100	30.0	3,900	4,300	36.0	3,800	4,200
105	24.5	3,300	3,700	31.5	3,200	3,600
110	16.0	2,800	3,200	26.0	2,700	3,100
115				19.5	2,200	2,600
Min.Bm. Ang./Cap.	0.0	2,500	2,900	0.0	1,800	2,200
Radius (ft)		113.0			120.0	

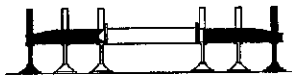
Rated Lifting Capacities In Pounds



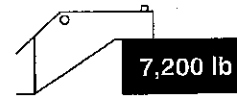
Load Radius (ft)	41.0 ft			50.0 ft			60.0 ft			70.0 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear	Δ°	360°	Over Rear	Δ°	360°	Over Rear
10	70.0	133,300	133,300	74.0	89,000	89,000	77.0	77,000	77,000	79.5	74,000	74,000
12	66.5	109,600	109,600	71.5	87,100	87,100	75.0	72,200	72,200	77.5	74,000	74,000
15	62.0	85,800	85,800	68.0	80,000	80,000	72.0	66,000	66,000	75.0	68,500	68,500
20	53.0	61,400	61,400	61.0	63,400	63,400	67.0	57,800	57,800	71.0	60,800	60,800
25	43.0	46,700	46,700	54.0	48,700	48,700	61.5	49,800	49,800	66.5	50,300	50,300
30	30.0	36,900	36,900	46.0	38,800	38,800	55.5	39,900	39,900	61.5	40,500	40,500
35				36.5	30,000	30,000	49.0	31,300	31,300	56.5	31,800	31,800
40				24.0	23,600	23,600	42.0	24,900	24,900	51.0	25,400	25,400
45							33.5	20,200	20,200	45.0	20,700	20,800
50							21.5	16,500	16,700	38.5	17,000	17,300
55										30.5	14,200	14,500
60										20.0	11,900	12,400
Min.Bm. Ang./Cap.	0.0	25,500	25,500	0.0	16,800	16,600	0.0	12,400	12,400	0.0	10,300	10,300
Radius (ft)	34.0			43.0			53.0			63.0		

Load Radius (ft)	80.0 ft			90.0 ft			100.0 ft			113.1 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear	Δ°	360°	Over Rear	Δ°	360°	Over Rear
12	79.5	57,000	57,000									
15	77.5	51,900	51,900									
20	73.5	44,900	44,900	79.5	48,700	48,700						
25	70.0	39,500	39,500	76.0	42,800	42,800	78.5	42,500	42,500			
30	66.0	35,100	35,100	73.0	38,100	38,100	75.5	38,300	38,300	78.0	32,800	32,800
35	62.0	31,600	31,600	69.5	34,100	34,100	72.5	34,800	34,800	75.5	32,100	32,100
40	57.5	25,700	25,700	66.0	30,800	30,800	69.5	31,500	31,500	73.0	29,200	29,200
45	53.0	21,100	21,200	62.0	25,600	25,600	66.0	25,500	25,500	70.0	25,300	25,300
50	48.0	17,400	17,700	58.0	21,000	21,100	62.5	20,800	20,900	67.0	20,500	20,700
55	42.5	14,500	14,900	54.0	17,300	17,800	59.0	17,100	17,400	64.0	16,900	17,200
60	36.0	12,400	12,800	49.5	14,500	14,900	55.0	14,300	14,700	60.5	14,000	14,500
65	29.0	10,500	11,000	45.0	12,300	12,700	51.5	12,100	12,600	57.5	11,900	12,400
70	19.0	9,000	9,400	40.0	10,500	11,000	47.0	10,300	10,800	54.0	10,100	10,700
75				34.0	9,000	9,500	43.0	8,800	9,400	50.5	8,600	9,200
80				27.5	7,700	8,200	38.0	7,500	8,100	47.0	7,300	7,900
85				18.0	6,600	7,100	32.5	6,500	7,000	43.0	6,300	6,800
90							26.0	5,500	6,000	39.0	5,300	5,900
95							17.0	4,700	5,200	34.0	4,500	5,000
100										29.0	3,800	4,300
105										22.0	3,200	3,600
110										11.0	2,600	3,100
Min.Bm. Ang./Cap.	0.0	8,100	8,500	0.0	6,000	6,500	0.0	4,200	4,700	0.0	2,500	3,000
Radius (ft)	73.0			83.0			93.0			106.1		

**Rated Lifting Capacities
In Pounds**



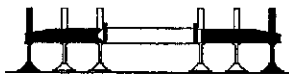
Full



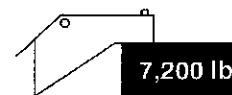
Load Radius (ft)	41.0 ft			50.0 ft			60.0 ft			70.0 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear	Δ°	360°	Over Rear	Δ°	360°	Over Rear
10	70.0	133,000	133,000	74.0	89,000	89,000	77.0	77,000	77,000	79.5	74,400	74,400
12	66.5	109,000	109,000	71.5	87,100	87,100	75.0	72,200	72,200	77.5	74,300	74,300
15	62.0	85,600	85,600	68.0	80,000	80,000	72.0	66,000	66,000	75.0	68,700	68,700
20	53.0	61,400	61,400	61.0	63,400	63,400	67.0	57,800	57,800	71.0	60,900	60,900
25	43.0	46,700	46,700	54.0	48,700	48,700	61.5	49,800	49,800	66.5	50,300	50,300
30	30.0	36,900	36,900	46.0	38,800	38,800	55.5	39,900	39,900	61.5	40,400	40,400
35				36.5	30,000	30,000	49.0	31,300	31,300	56.5	31,700	31,700
40				24.0	23,600	23,600	42.0	24,900	24,900	51.0	25,400	25,400
45							33.5	20,200	20,200	45.0	20,700	20,800
50							21.5	16,500	16,700	38.5	17,000	17,200
55										30.5	14,100	14,500
60										20.0	11,900	12,300
Min.Bm. Ang./Cap.	0.0	25,500	25,500	0.0	16,600	16,600	0.0	12,400	12,400	0.0	10,200	10,200
Radius (ft)	34.0			43.0			53.0			63.0		

Load Radius (ft)	80.0 ft			90.0 ft			98.7 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear	Δ°	360°	Over Rear
12	79.5	62,800	62,800						
15	77.5	62,800	62,800	79.5	61,400	61,400			
20	74.0	62,800	62,800	76.5	57,100	57,100	78.0	47,900	47,900
25	70.0	50,100	50,100	73.0	49,900	49,900	75.5	42,500	42,500
30	66.0	40,300	40,300	69.5	40,100	40,100	72.5	38,100	38,100
35	61.5	31,500	31,500	66.0	31,300	31,300	69.0	31,100	31,100
40	57.0	25,200	25,200	62.0	25,000	25,000	65.5	24,900	24,900
45	52.5	20,400	20,600	58.0	20,300	20,400	62.0	20,100	20,300
50	47.5	16,800	17,100	54.0	16,600	16,900	58.0	16,500	16,800
55	42.0	14,000	14,400	49.5	13,800	14,300	54.5	13,700	14,100
60	36.0	11,800	12,200	45.0	11,600	12,200	50.5	11,500	12,100
65	28.5	10,000	10,400	40.0	9,800	10,400	46.5	9,700	10,300
70	18.5	8,400	8,900	34.0	8,300	8,800	42.0	8,200	8,800
75				27.0	7,100	7,600	37.0	7,000	7,500
80				17.5	6,000	6,500	31.0	5,900	6,400
85							24.5	5,000	5,500
90							13.5	4,100	4,600
Min.Bm. Ang./Cap.	0.0	7,600	8,100	0.0	5,400	5,900	0.0	3,900	4,400
Radius (ft)	73.0			83.0			91.7		

**Fixed Boom Lengths
Rated Lifting Capacities
In Pounds
See Operation Note 10.**

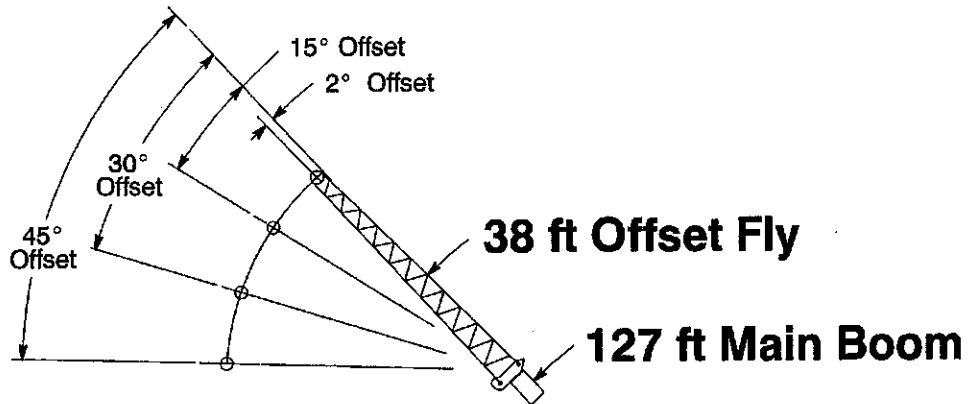


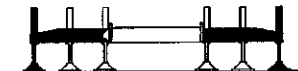
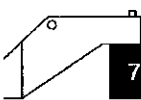





Full

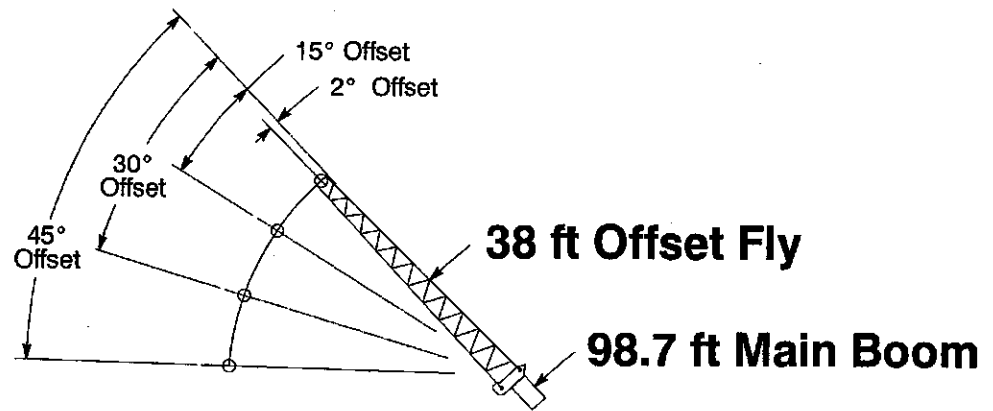


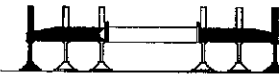
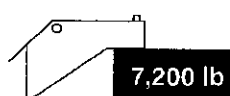





Load Radius (ft)	41.0 ft			47.0 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear
10	70.0	133,300	133,300	73.0	110,700	110,700
12	66.5	109,600	109,600	70.0	105,000	105,000
15	62.0	85,600	85,600	66.0	87,000	87,000
20	53.0	61,400	61,400	59.0	62,800	62,800
25	43.0	46,700	46,700	51.0	48,100	48,100
30	30.0	36,900	36,900	42.0	38,300	38,300
35				30.5	29,400	29,400
Min.Bm. Ang./Cap.	0.0	25,500	25,500	0.0	18,900	18,900
Radius (ft)		34.0			40.0	

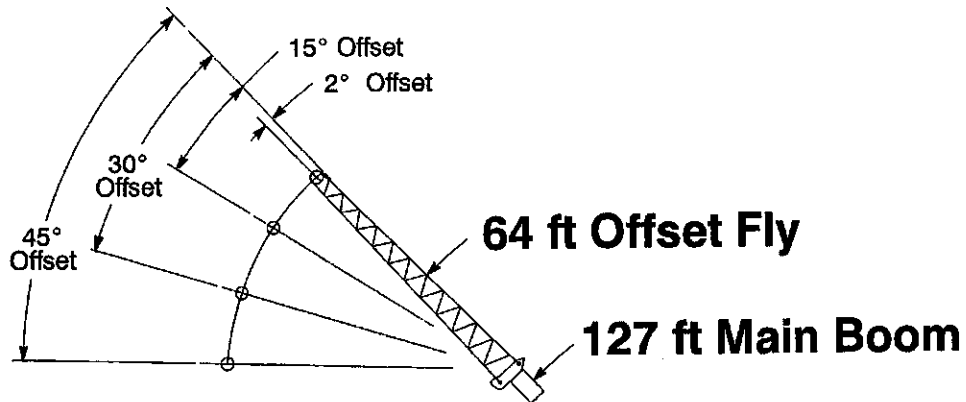
Load Radius (ft)	61.3 ft			76.0 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear
10	77.5	106,900	106,900			
12	75.5	106,900	106,900	79.0	81,000	81,000
15	72.5	88,200	88,200	77.0	77,400	77,400
20	67.5	64,100	64,100	73.0	63,900	63,900
25	62.0	49,500	49,500	68.5	49,400	49,400
30	56.0	39,600	39,600	64.5	39,600	39,600
35	50.0	30,900	30,900	59.5	30,700	30,700
40	43.0	24,500	24,500	55.0	24,400	24,400
45	35.0	19,800	19,900	50.0	19,600	19,800
50	25.0	16,100	16,300	44.5	16,000	16,400
55				38.5	13,200	13,700
60				31.0	11,100	11,500
65				21.5	9,200	9,700
Min.Bm. Ang./Cap.	0.0	13,600	13,700	0.0	7,900	8,500
Radius (ft)		54.3			69.0	


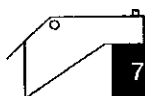



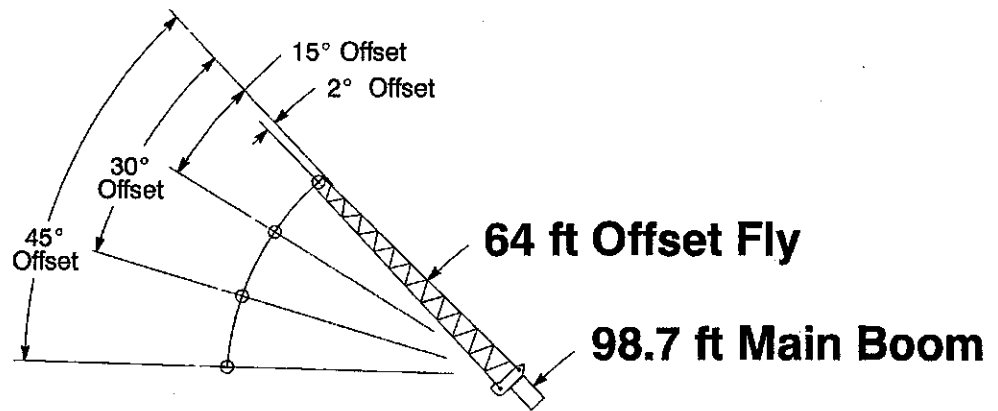
Rated Lifting Capacities In Pounds		 Full		 7,200 lb				
Load Radius (ft)	2° Offset		15° Offset		30° Offset		45° Offset	
		360°		360°		360°		360°
35	79.5	10,900						
40	78.0	10,900						
45	76.5	10,900	79.5	10,400				
50	75.0	10,800	78.0	10,300				
55	73.5	10,900	76.5	10,100	79.5	9,100		
60	72.0	10,900	75.0	9,900	77.5	8,900		
65	70.5	10,700	73.0	9,700	76.0	8,700	78.0	8,100
70	68.5	9,900	71.5	9,500	74.0	8,600	76.5	8,000
75	66.0	8,500	69.5	9,200	72.5	8,500	74.5	7,900
80	64.0	7,400	67.0	8,000	70.5	8,300	72.5	7,700
85	61.5	6,500	65.0	7,000	68.0	7,500	70.5	7,700
90	59.0	5,600	62.5	6,100	65.5	6,600	68.0	6,900
95	57.0	4,900	60.0	5,300	63.0	5,800	65.5	6,100
100	54.5	4,300	57.5	4,600	60.5	5,000	62.5	5,300
105	52.0	3,700	55.0	4,000	58.0	4,400	60.0	4,600
110	49.0	3,200	52.5	3,500	55.0	3,800	57.0	4,000
115	46.5	2,700	49.5	3,000	52.0	3,200	53.5	3,400
120	43.5	2,300	46.5	2,500	49.0	2,800	50.5	2,900
125	40.5	1,900	43.5	2,100	46.0	2,300	47.0	2,400
130	37.0	1,500	40.0	1,700	42.5	1,900		
135	33.5	1,200	36.5	1,400	38.5	1,500		
140			32.5	1,100	34.0	1,200		
Min.Br. Ang./Cap.	29.5		29.0		30.0		29.0	
Radius (ft)	140.0		143.3		143.8		143.3	
Maximum Boom Length At 0° Boom Angle (ft)		107						

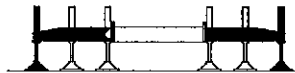
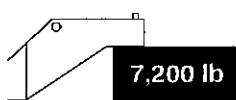







Rated Lifting Capacities In Pounds			 Full		 7,200 lb			
Load Radius (ft)	2° Offset		15° Offset		30° Offset		45° Offset	
		360°		360°		360°		360°
30	78.0	16,200						
35	76.0	15,600						
40	74.0	14,900	77.0	12,500				
45	72.0	14,300	75.0	12,000	78.5	10,100		
50	69.5	13,600	73.0	11,500	76.5	9,800		
55	67.5	13,000	70.5	11,100	74.0	9,500	77.0	8,800
60	65.0	12,500	68.5	10,700	72.0	9,200	74.5	8,400
65	62.5	11,200	66.0	10,300	69.5	9,000	72.0	8,300
70	60.0	9,600	63.5	10,000	67.0	8,800	69.5	8,100
75	57.0	8,300	61.0	8,900	64.5	8,600	67.0	8,000
80	54.5	7,200	58.0	7,700	61.5	8,300	64.0	7,900
85	51.5	6,200	55.0	6,700	58.5	7,200	61.0	7,600
90	48.5	5,400	52.0	5,800	55.5	6,300	57.5	6,500
95	45.0	4,700	48.5	5,100	52.0	5,400	54.0	5,800
100	41.5	4,000	45.0	4,400	48.0	4,700	50.0	4,800
105	38.0	3,500	41.5	3,700	44.5	4,000	45.5	4,100
110	34.0	2,900	37.5	3,200	40.0	3,400		
115	29.5	2,500	32.5	2,700	35.0	2,800		
120	24.0	2,100	27.0	2,200				
125	17.0	1,700	20.0	1,800				
Min. Bm. Ang./Cap.	0.0	1,400	0.0	1,400	0.0	1,500	0.0	1,600
Radius (ft)	129.7		129.3		127.0		122.9	



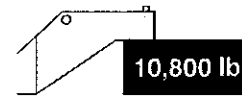
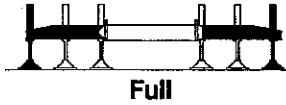
Rated Lifting Capacities In Pounds		 Full		 7,200 lb				
Load Radius (ft)	2° Offset		15° Offset		30° Offset		45° Offset	
	Δ °	360°	Δ °	360°	Δ °	360°	Δ °	360°
45	79.5	7,300						
50	78.5	7,300						
55	77.0	7,200						
60	76.0	7,100						
65	74.5	6,900	79.0	6,100				
70	73.0	6,800	77.5	6,000				
75	72.0	6,600	76.0	5,800				
80	70.5	6,500	74.5	5,600	79.0	4,900		
85	69.0	6,300	73.0	5,500	77.5	4,800		
90	67.5	6,100	71.5	5,300	76.0	4,700	79.5	4,200
95	65.5	5,500	70.0	5,200	74.0	4,600	78.0	4,200
100	63.5	4,900	68.5	5,100	72.5	4,500	76.0	4,100
105	61.5	4,300	66.5	4,900	71.0	4,400	74.5	4,100
110	59.5	3,700	64.5	4,300	69.0	4,300	72.5	4,100
115	57.5	3,300	62.5	3,800	67.0	4,200	70.5	4,000
120	55.5	2,800	60.5	3,300	65.0	3,900	68.5	3,900
125	53.5	2,400	58.0	2,900	62.5	3,400	66.5	3,700
130	51.5	2,100	56.0	2,500	60.5	2,900	63.5	3,200
135	49.0	1,700	53.5	2,100	58.0	2,500	61.0	2,800
140	47.0	1,400	51.5	1,800	55.5	2,100	58.0	2,400
145	45.0	1,100	49.0	1,500	53.0	1,800	55.0	2,000
150			46.5	1,200	50.0	1,500	52.0	1,600
155					47.5	1,100	48.5	1,200
Min.Bm. Ang./Cap.	42.5		44.0		44.5		45.0	
Radius (ft)	150.0		155.0		158.3		160.0	
Maximum Boom Length At 0° Boom Angle (ft)		99						



Rated Lifting Capacities In Pounds		 Full		 7,200 lb				
Load Radius (ft)	2° Offset		15° Offset		30° Offset		45° Offset	
	 °	360°	 °	360°	 °	360°	 °	360°
35	79.5	10,300						
40	77.5	9,900						
45	76.0	9,400						
50	74.5	9,000	79.5	7,400				
55	72.5	8,500	77.5	7,000				
60	71.0	8,100	76.0	6,700				
65	69.0	7,700	74.0	6,400	79.5	5,400		
70	67.0	7,300	72.0	6,200	77.5	5,200		
75	65.5	7,000	70.0	5,900	75.5	5,100		
80	63.5	6,700	68.5	5,700	73.5	4,900	78.0	4,400
85	61.5	6,400	66.5	5,500	71.5	4,800	76.0	4,300
90	59.5	6,100	64.5	5,300	69.5	4,700	73.5	4,300
95	57.0	5,600	62.0	5,100	67.0	4,600	71.5	4,200
100	55.0	4,900	60.0	5,000	65.0	4,500	69.0	4,200
105	52.5	4,300	57.5	4,800	62.5	4,400	66.5	4,100
110	50.0	3,800	55.0	4,300	60.0	4,300	63.5	4,100
115	47.0	3,300	52.5	3,800	57.5	4,200	61.0	4,100
120	44.5	2,900	49.5	3,300	54.5	3,700	57.5	4,000
125	41.5	2,500	46.5	2,900	51.5	3,200	54.0	3,400
130	39.0	2,100	43.5	2,400	48.0	2,800	50.0	2,900
135	35.5	1,800	40.5	2,100	44.0	2,300	45.0	2,400
140	32.0	1,500	36.5	1,700	40.0	1,900		
145	28.0	1,200	32.5	1,400	34.5	1,500		
150			26.5	1,100				
Min. Bm. Ang./Cap.	22.5		19.0		20.0		36.0	
Radius (ft)	150.0		153.2		151.7		145.5	
Maximum Boom Length At 0° Boom Angle (ft)		98						

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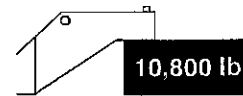
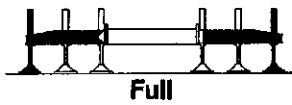
**Rated Lifting Capacities
In Pounds**



Load Radius (ft)	41.0 ft			50.0 ft			60.0 ft		
	\angle °	360°	Over Rear	\angle °	360°	Over Rear	\angle °	360°	Over Rear
10	70.0	137,100	137,100	74.0	89,000	89,000	77.0	62,900	62,900
12	66.5	113,100	113,100	71.5	87,100	87,100	75.0	58,500	58,500
15	62.0	88,500	88,500	68.0	80,000	80,000	72.0	53,000	53,000
20	53.0	63,600	63,600	61.0	65,500	65,500	67.0	45,700	45,700
25	43.0	48,500	48,500	54.0	50,400	50,400	61.5	40,200	40,200
30	30.0	38,300	38,300	46.0	40,300	40,300	55.5	35,900	35,900
35				36.5	32,700	32,700	49.0	32,400	32,400
40				24.0	25,800	25,800	42.0	27,400	27,400
45							33.5	22,400	22,400
50							22.0	18,600	18,600
Min.Bm. Ang./Cap.	0.0	25,500	25,500	0.0	16,600	16,600	0.0	11,500	11,500
Radius (ft)	34.0			43.0			53.0		

Load Radius (ft)	70.0 ft			80.0 ft			90.0 ft		
	\angle °	360°	Over Rear	\angle °	360°	Over Rear	\angle °	360°	Over Rear
10	79.0	49,800	49,800						
12	77.5	46,500	46,500	79.5	42,400	42,400			
15	75.0	42,200	42,200	77.5	42,400	42,400	79.0	36,700	36,700
20	70.5	36,400	36,400	73.5	37,900	37,900	76.0	36,700	36,700
25	66.0	31,900	31,900	70.0	33,800	33,800	73.0	34,500	34,500
30	61.5	28,400	28,400	66.0	30,300	30,300	69.5	30,700	30,700
35	56.5	25,600	25,600	62.0	27,500	27,500	66.0	27,700	27,700
40	51.5	23,200	23,200	57.5	25,200	25,200	62.5	25,200	25,200
45	45.5	21,300	21,300	53.0	23,200	23,200	58.5	23,100	23,100
50	39.0	19,600	19,600	48.0	19,900	19,900	54.5	20,100	20,100
55	31.0	16,600	16,600	42.5	16,900	17,000	50.0	17,000	17,200
60	20.5	14,100	14,300	36.5	14,400	14,600	45.5	14,600	14,800
65				29.0	12,500	12,700	40.5	12,700	12,900
70				19.0	10,800	11,100	34.5	11,100	11,300
75							27.5	9,600	9,900
80							18.0	8,400	8,700
Min.Bm. Ang./Cap.	0.0	8,600	8,600	0.0	7,300	7,300	0.0	6,200	6,200
Radius (ft)	63.0			73.0			83.0		

Rated Lifting Capacities In Pounds



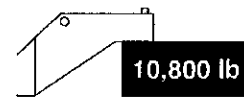
Load Radius (ft)	100.0 ft			110.0 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear
20	77.5	30,700	30,700	79.0	29,100	29,100
25	75.0	30,700	30,700	77.0	29,100	29,100
30	72.0	28,400	28,400	74.5	29,100	29,100
35	69.0	25,700	25,700	72.0	26,800	26,800
40	66.0	23,400	23,400	69.0	24,400	24,400
45	62.5	21,400	21,400	66.0	22,500	22,500
50	59.5	19,700	19,700	63.0	19,800	19,800
55	55.5	17,100	17,200	60.0	16,800	16,900
60	51.5	14,600	14,900	56.5	14,400	14,600
65	47.5	12,700	12,900	53.0	12,500	12,700
70	43.0	11,100	11,400	49.5	10,800	11,200
75	38.5	9,700	10,000	45.5	9,500	9,800
80	33.0	8,500	8,800	41.5	8,300	8,700
85	26.5	7,500	7,800	36.5	7,300	7,600
90	17.5	6,600	6,900	31.5	6,400	6,700
95				25.5	5,600	5,900
100				16.5	4,900	5,200
Min.Bm. Ang./Cap.	0.0	5,200	5,200	0.0	4,200	4,200
Radius (ft)		93.0			103.0	

Load Radius (ft)	120.0 ft			127.0 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear
25	78.5	25,500	25,500	79.0	22,600	22,600
30	76.5	25,500	25,500	77.0	22,600	22,600
35	74.0	25,500	25,500	75.5	22,600	22,600
40	72.0	25,000	25,000	73.5	22,600	22,600
45	69.5	23,200	23,200	71.0	22,600	22,600
50	66.5	19,600	19,600	68.5	19,500	19,500
55	63.5	16,600	16,700	65.5	16,400	16,600
60	60.5	14,100	14,400	63.0	14,000	14,200
65	57.5	12,300	12,600	60.0	12,100	12,500
70	54.0	10,600	11,000	57.0	10,500	10,900
75	51.0	9,300	9,600	54.0	9,100	9,500
80	47.5	8,100	8,500	51.0	8,000	8,400
85	43.5	7,100	7,500	47.5	7,000	7,400
90	39.5	6,200	6,600	44.0	6,100	6,500
95	35.5	5,400	5,800	40.5	5,300	5,700
100	30.5	4,700	5,100	36.5	4,600	5,000
105	24.5	4,100	4,400	32.0	4,000	4,400
110	16.5	3,500	3,900	26.5	3,400	3,800
115				19.5	2,900	3,300
Min.Bm. Ang./Cap.	0.0	3,300	3,300	0.0	2,500	2,700
Radius (ft)		113.0			120.0	

**Rated Lifting Capacities
In Pounds**



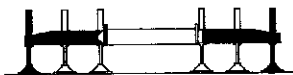
Full



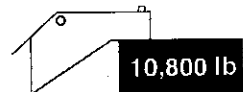
Load Radius (ft)	41.0 ft			50.0 ft			60.0 ft			70.0 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear	Δ°	360°	Over Rear	Δ°	360°	Over Rear
10	70.0	137,100	137,100	74.0	89,000	89,000	77.0	77,000	77,000	79.5	74,000	74,000
12	66.5	113,100	113,100	71.5	87,100	87,100	75.0	72,200	72,200	77.5	74,000	74,000
15	62.0	88,500	88,500	68.0	80,000	80,000	72.0	66,000	66,000	75.0	68,500	68,500
20	53.0	63,800	63,800	61.0	65,500	65,500	67.0	57,800	57,800	71.0	60,800	60,800
25	43.0	48,500	48,500	54.0	50,400	50,400	61.5	51,400	51,400	66.5	52,000	52,000
30	30.0	38,300	38,300	46.0	40,300	40,300	55.5	41,400	41,400	61.5	41,900	41,900
35				36.5	32,700	32,700	49.0	33,900	33,900	56.5	34,400	34,400
40				24.0	25,800	25,800	42.0	27,100	27,100	51.0	27,600	27,600
45							39.5	22,100	22,100	45.5	22,700	22,700
50							21.5	18,300	18,300	38.5	18,900	18,900
55										31.0	15,900	16,000
60										20.0	13,500	13,600
Min. Bm. Ang./Cap.	0.0	25,500	25,500	0.0	16,600	16,600	0.0	12,400	12,400	0.0	10,800	10,300
Radius (ft)	34.0			43.0			53.0			63.0		

Load Radius (ft)	80.0 ft			90.0 ft			100.0 ft			113.1 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear	Δ°	360°	Over Rear	Δ°	360°	Over Rear
12	79.5	57,000	57,000									
15	77.5	51,900	51,900	79.5	48,700	48,700						
20	73.5	44,900	44,900	76.0	42,800	42,800	78.5	42,500	42,500			
25	70.0	39,500	39,500	73.0	38,100	38,100	75.5	38,300	38,300	78.0	32,800	32,800
30	66.0	35,100	35,100	69.5	34,100	34,100	72.5	34,800	34,800	75.5	32,100	32,100
35	62.0	31,500	31,500	66.0	30,800	30,800	69.5	31,500	31,500	73.0	29,200	29,200
40	57.5	27,900	27,900	62.5	27,800	27,800	66.0	27,600	27,600	70.5	26,700	26,700
45	53.0	23,000	23,000	58.5	23,000	23,000	62.5	22,800	22,800	67.5	22,500	22,500
50	48.0	19,300	19,300	54.0	19,300	19,300	59.0	19,100	19,100	64.0	18,800	18,800
55	42.5	16,300	16,400	50.0	16,200	16,400	55.5	16,000	16,200	61.0	15,800	16,000
60	36.5	13,900	14,000	45.0	13,800	14,100	51.5	13,600	13,900	57.5	13,400	13,700
65	29.0	11,900	12,200	40.0	11,900	12,200	47.5	11,700	12,100	54.5	11,500	11,900
70	19.0	10,200	10,500	34.5	10,300	10,600	43.0	10,100	10,500	51.0	9,900	10,300
75				27.5	8,900	9,200	38.0	8,700	9,100	47.0	8,500	8,900
80				18.0	7,700	8,000	32.5	7,600	7,900	43.5	7,400	7,800
85							26.0	6,500	6,900	39.0	6,400	6,800
90							17.0	5,600	6,000	34.5	5,500	5,900
95										29.0	4,700	5,100
100										22.0	4,000	4,400
105										11.5	3,400	3,800
Min. Bm. Ang./Cap.	0.0	8,500	8,500	0.0	6,900	6,900	0.0	5,200	5,500	0.0	3,300	3,600
Radius (ft)	73.0			83.0			93.0			106.1		

Rated Lifting Capacities in Pounds



Full



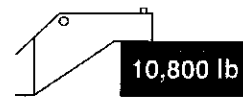
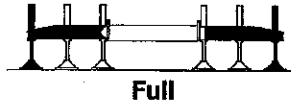
10,800 lb



Load Radius (ft)	41.0 ft			50.0 ft			60.0 ft			70.0 ft		
	\angle °	360°	Over Rear	\angle °	360°	Over Rear	\angle °	360°	Over Rear	\angle °	360°	Over Rear
10	70.0	137,100	137,100	74.0	89,000	89,000	77.0	77,000	77,000	79.5	74,400	74,400
12	66.5	113,100	113,100	71.5	87,100	87,100	75.0	72,200	72,200	77.5	74,300	74,300
15	62.0	88,500	88,500	68.0	80,000	80,000	72.0	66,000	66,000	75.0	69,700	69,700
20	53.0	63,600	63,600	61.0	65,500	65,500	67.0	57,800	57,800	71.0	60,900	60,900
25	43.0	46,600	46,500	54.0	50,400	50,400	61.5	51,400	51,400	66.5	51,900	51,900
30	30.0	38,300	38,300	46.0	40,300	40,300	55.5	41,400	41,400	61.5	41,900	41,900
35				36.5	32,700	32,700	49.0	33,900	33,900	56.5	34,300	34,300
40				24.0	25,800	25,800	42.0	27,100	27,100	51.0	27,500	27,500
45							33.5	22,100	22,100	45.5	22,700	22,700
50							21.5	18,300	18,300	38.5	18,900	18,900
55										31.0	15,900	16,000
60										20.0	13,400	13,600
Min.Bm. Ang./Cap.	0.0	25,500	25,500	0.0	18,600	18,600	0.0	12,400	12,400	0.0	10,200	10,200
Radius (ft)	34.0			43.0			53.0			63.0		

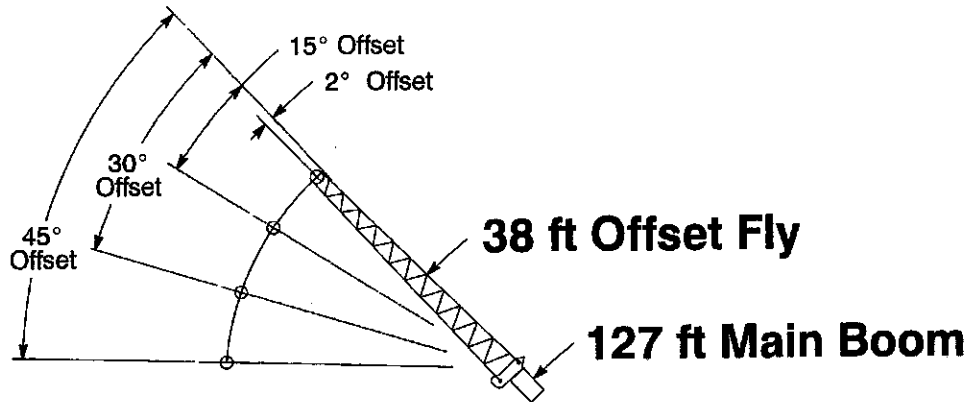
Load Radius (ft)	80.0 ft			90.0 ft			98.7 ft		
	\angle °	360°	Over Rear	\angle °	360°	Over Rear	\angle °	360°	Over Rear
12	79.5	62,800	62,800						
15	77.5	62,800	62,800	79.5	61,400	61,400			
20	74.0	62,800	62,800	76.5	57,100	57,100	78.0	47,900	47,900
25	70.0	51,700	51,700	73.0	49,900	49,900	75.5	42,500	42,500
30	66.0	41,700	41,700	69.5	41,600	41,600	72.5	38,100	38,100
35	61.5	34,100	34,100	66.0	33,900	33,900	69.0	33,800	33,800
40	57.5	27,300	27,300	62.0	27,100	27,100	65.5	26,900	26,900
45	52.5	22,500	22,500	58.0	22,300	22,300	62.0	22,200	22,200
50	47.5	18,700	18,800	54.0	18,600	18,600	58.5	18,400	18,500
55	42.0	15,700	15,900	49.5	15,500	15,700	54.5	15,400	15,600
60	36.0	13,300	13,500	45.0	13,100	13,400	50.5	13,000	13,300
65	29.0	11,400	11,600	40.0	11,200	11,600	46.5	11,100	11,500
70	18.5	9,700	10,000	34.0	9,600	10,000	42.0	9,500	9,900
75				27.5	8,200	8,600	37.0	8,200	8,500
80				18.0	7,000	7,400	31.5	7,000	7,400
85							24.5	6,000	6,400
90							14.0	5,100	5,500
Min.Bm. Ang./Cap.	0.0	8,200	8,200	0.0	6,400	6,500	0.0	4,800	5,200
Radius (ft)	73.0			83.0			91.7		


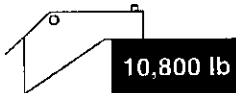





**Fixed Boom Lengths
Rated Lifting Capacities
In Pounds
See Operation Note 10.**

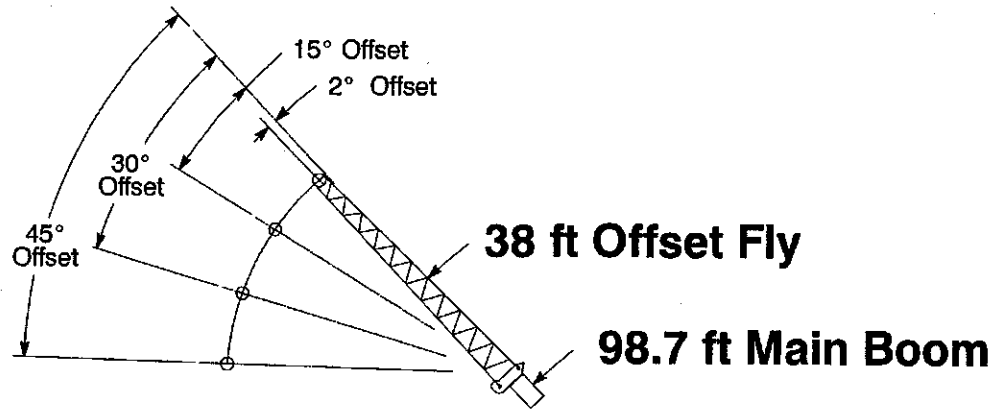


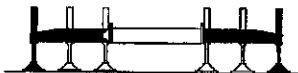
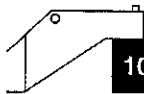

Load Radius (ft)	41.0 ft			47.0 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear
10	70.0	137,100	137,100	73.0	110,700	110,700
12	66.5	113,100	113,100	70.0	105,000	105,000
15	62.0	88,500	88,500	66.0	89,900	89,900
20	53.0	63,600	63,600	59.0	64,900	64,900
25	43.0	48,500	48,500	51.0	49,900	49,900
30	30.0	38,300	38,300	42.0	39,700	39,700
35				30.5	32,000	32,000
Min.Bm. Ang./Cap.	0.0	25,500	25,500	0.0	18,900	18,900
Radius (ft)		34.0			40.0	

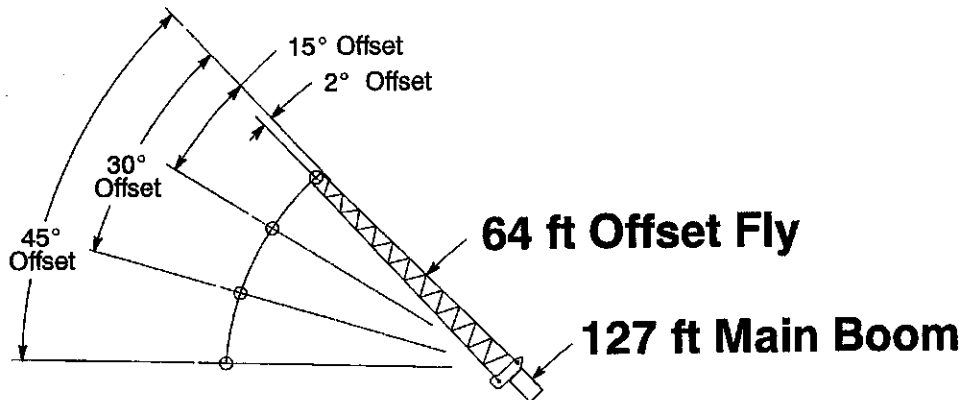
Load Radius (ft)	61.3 ft			76.0 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear
10	77.5	106,900	106,900			
12	75.5	106,900	106,900	79.0	81,000	81,000
15	72.5	90,900	90,900	77.0	77,400	77,400
20	67.5	66,100	66,100	73.0	66,000	66,000
25	62.0	51,200	51,200	68.5	51,100	51,100
30	56.0	41,000	41,000	64.5	41,000	41,000
35	50.0	33,500	33,500	60.0	33,300	33,300
40	43.0	26,700	26,700	55.0	26,500	26,500
45	35.0	21,800	21,800	50.0	21,700	21,700
50	25.0	18,000	18,000	44.5	18,000	18,100
55				38.5	15,000	15,100
60				31.0	12,600	12,800
65				21.5	10,600	10,900
Min.Bm. Ang./Cap.	0.0	13,700	13,700	0.0	9,200	9,500
Radius (ft)		54.3			69.0	


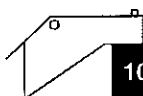



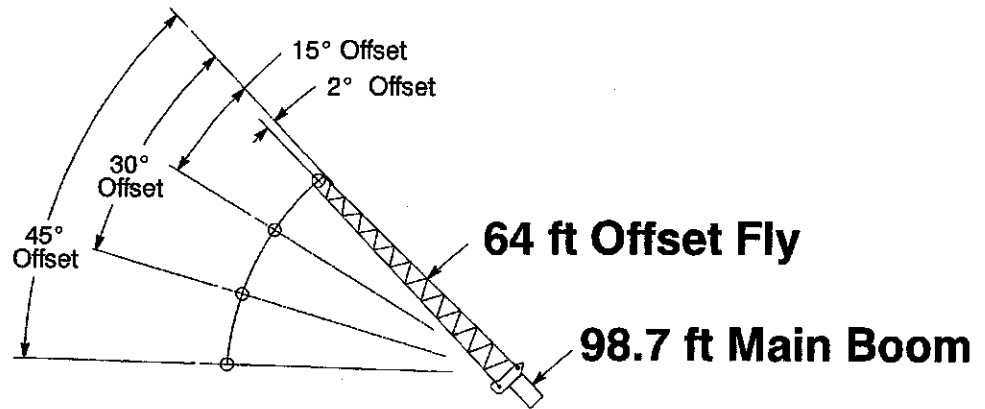
Rated Lifting Capacities In Pounds			 Full		 10,800 lb			
Load Radius (ft)	2° Offset		15° Offset		30° Offset		45° Offset	
	 °	360°	 °	360°	 °	360°	 °	360°
35	79.5	10,900						
40	78.0	10,900						
45	76.5	10,900	79.5	10,400				
50	75.0	10,900	78.0	10,300				
55	73.5	10,900	76.5	10,100	79.5	9,100		
60	72.0	10,900	75.0	9,900	77.5	8,900		
65	70.5	10,700	73.0	9,700	76.0	8,700	78.0	8,100
70	69.0	10,500	71.5	9,500	74.0	8,600	76.5	8,000
75	67.0	9,700	69.5	9,300	72.5	8,500	74.5	7,900
80	64.5	8,500	67.5	9,000	70.5	8,300	72.5	7,700
85	62.0	7,500	65.5	8,000	68.5	8,000	70.5	7,700
90	59.5	6,600	63.0	7,100	66.5	7,500	68.5	7,400
95	57.5	5,800	60.5	6,200	63.5	6,700	66.0	7,000
100	55.0	5,100	58.0	5,500	61.0	5,900	63.5	6,100
105	52.5	4,500	55.5	4,800	58.5	5,200	60.5	5,400
110	49.5	3,900	53.0	4,200	55.5	4,500	57.5	4,700
115	47.0	3,400	50.0	3,700	52.5	4,000	54.5	4,100
120	44.0	3,000	47.0	3,200	49.5	3,500	51.0	3,600
125	41.0	2,500	44.0	2,800	46.5	3,000	47.5	3,100
130	38.0	2,200	41.0	2,400	43.0	2,500		
135	34.5	1,800	37.0	2,000	39.0	2,100		
140	30.5	1,500	33.0	1,600	35.0	1,700		
145	26.0	1,200	28.5	1,300	30.0	1,400		
150			23.0	1,000				
Min.Bm. Ang./Cap.	20.0		21.0		17.0		15.0	
Radius (ft)	150.0		151.7		150.9		147.0	
Maximum Boom Length At 0° Boom Angle (ft)		114						

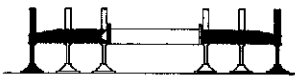
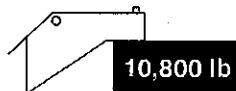







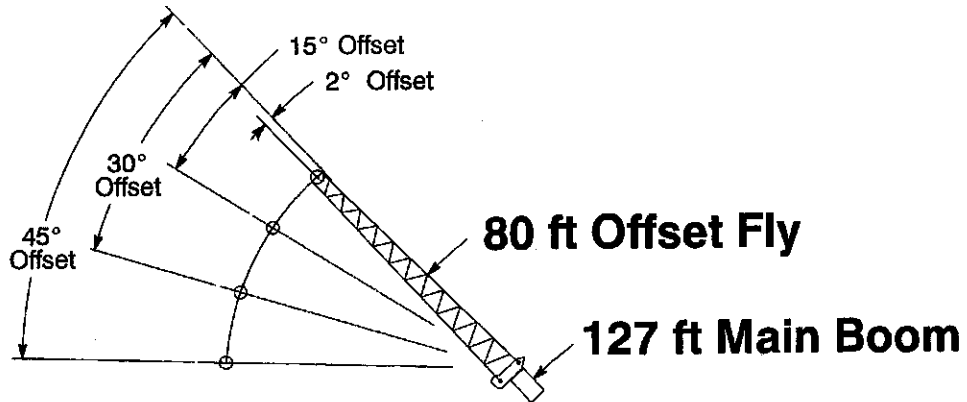
Rated Lifting Capacities In Pounds			 Full		 10,800 lb			
Load Radius (ft)	2° Offset		15° Offset		30° Offset		45° Offset	
	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°
30	78.0	16,200	77.0	12,500				
35	76.0	15,600		12,000				
40	74.0	14,900		11,500				
45	72.0	14,300	75.0	12,000	78.5	10,100	77.0	8,600
50	69.5	13,600	73.0	11,500	76.5	9,800		
55	67.5	13,000	70.5	11,100	74.0	9,500		
60	65.0	12,500	68.5	10,700	72.0	9,300	74.5	8,400
65	63.0	11,900	66.0	10,300	69.5	9,000	72.0	8,300
70	60.5	10,900	63.5	10,000	67.0	8,800	69.5	8,100
75	57.5	9,500	61.0	9,700	64.5	8,600	67.0	8,000
80	54.5	8,300	58.5	8,800	62.0	8,500	64.0	7,900
85	51.5	7,300	55.5	7,800	59.0	8,200	61.0	7,800
90	48.5	6,400	52.5	6,800	55.5	7,200	58.0	7,500
95	45.5	5,600	49.0	6,000	52.5	6,300	54.5	6,500
100	42.0	4,900	45.5	5,200	48.5	5,500	50.5	5,700
105	38.5	4,300	42.0	4,600	44.5	4,800	46.0	4,900
110	34.5	3,700	37.5	4,000	40.5	4,200		
115	30.0	3,200	33.0	3,400	35.5	3,600		
120	24.5	2,800	27.5	2,900				
125	17.5	2,300	20.5	2,400				
Min.Bm. Ang./Cap.	0.0	1,900	0.0	1,900	0.0	2,100	0.0	2,300
Radius (ft)	129.7		129.3		127.0		122.9	

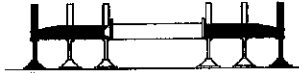
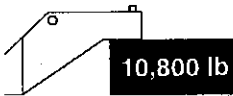



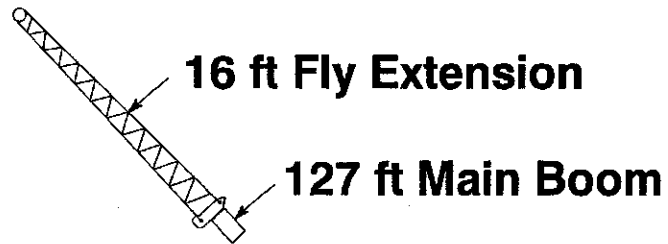
Rated Lifting Capacities In Pounds			 Full		 10,800 lb			
Load Radius (ft)	2° Offset		15° Offset		30° Offset		45° Offset	
	Δ °	360°	Δ °	360°	Δ °	360°	Δ °	360°
45	79.5	7,300						
50	78.5	7,300						
55	77.0	7,200						
60	76.0	7,100						
65	74.5	6,900	79.0	8,100				
70	73.0	6,800	77.5	8,000				
75	72.0	6,600	76.0	8,800				
80	70.5	6,500	74.5	5,600	79.0	4,900		
85	69.0	6,300	73.0	5,500	77.5	4,800		
90	67.5	6,100	71.5	5,300	76.0	4,700	79.5	4,200
95	66.0	5,900	70.0	5,200	74.0	4,600	78.0	4,200
100	64.5	5,700	68.5	5,100	72.5	4,500	76.0	4,100
105	62.0	5,100	66.5	4,900	71.0	4,400	74.5	4,100
110	60.0	4,500	65.0	4,700	69.0	4,300	72.5	4,100
115	58.0	4,000	63.0	4,500	67.0	4,200	70.5	4,000
120	56.0	3,500	61.0	4,000	65.0	4,000	68.5	3,900
125	54.0	3,100	58.5	3,600	63.0	3,900	66.5	3,800
130	51.5	2,700	56.5	3,100	61.0	3,600	64.0	3,600
135	49.5	2,300	54.0	2,700	58.5	3,100	61.5	3,400
140	47.0	2,000	51.5	2,400	56.0	2,700	58.5	2,900
145	45.0	1,700	49.5	2,000	53.0	2,300	55.5	2,500
150	42.5	1,400	46.5	1,700	50.5	2,000	52.5	2,100
155	40.0	1,200	44.0	1,400	47.5	1,700	49.0	1,700
160			41.5	1,200	44.5	1,300	45.0	1,400
165					41.0	1,000		
Min.Bm. Ang./Cap.	37.5		38.5		39.0		39.5	
Radius (ft)	160.0		165.0		167.5		166.3	
Maximum Boom Length At 0° Boom Angle (ft)		105						

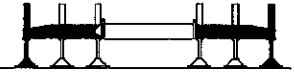
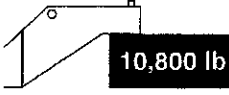



Rated Lifting Capacities In Pounds			 Full		 10,800 lb			
Load Radius (ft)	2° Offset		15° Offset		30° Offset		45° Offset	
	 °	360°	 °	360°	 °	360°	 °	360°
35	79.5	10,300						
40	77.5	9,900						
45	76.0	9,400						
50	74.5	9,000						
55	72.5	8,600						
60	71.0	8,100						
65	69.0	7,700						
70	67.0	7,300						
75	65.5	7,000						
80	63.5	6,700						
85	61.5	6,400						
90	59.5	6,100						
95	57.5	5,800						
100	55.0	5,600						
105	52.5	5,100						
110	50.0	4,500						
115	47.5	4,000						
120	45.0	3,600						
125	42.0	3,100						
130	39.0	2,700						
135	35.5	2,400						
140	32.0	2,100						
145	28.0	1,800						
150	22.5	1,500						
155	13.5	1,200						
Min.Bm. Ang./Cap.	0.0	1,100	0.0	1,100	0.0	1,200	0.0	1,400
Radius (ft)	155.7		154.9		151.5		145.5	



Rated Lifting Capacities In Pounds			 Full		 10,800 lb			
Load Radius (ft)	2° Offset		15° Offset		30° Offset		45° Offset	
	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°
50	79.0	5,800						
55	78.0	5,800						
60	77.0	5,800						
65	76.0	5,800	79.5	5,600				
70	75.0	5,800	78.0	5,300				
75	73.5	5,800	76.5	5,000				
80	72.0	5,500	75.5	4,700	79.0	3,900		
85	71.0	5,200	74.0	4,400	78.0	3,700		
90	69.5	4,900	72.5	4,200	76.5	3,500	80.0	3,100
95	68.0	4,600	71.0	4,000	75.0	3,400	78.5	2,900
100	66.5	4,400	69.5	3,800	73.5	3,200	76.5	2,800
105	65.0	4,200	68.0	3,600	72.0	3,100	75.0	2,700
110	63.5	4,000	66.5	3,500	70.5	2,900	73.5	2,600
115	62.0	3,800	65.0	3,300	68.5	2,800	72.0	2,500
120	60.0	3,400	63.0	3,200	67.0	2,700	70.0	2,500
125	58.0	2,900	61.5	3,000	65.5	2,600	68.5	2,400
130	56.0	2,500	60.0	2,900	63.5	2,500	66.5	2,300
135	54.0	2,200	58.0	2,600	62.0	2,500	64.5	2,300
140	52.0	1,900	56.0	2,200	60.0	2,400	62.5	2,200
145	50.0	1,500	54.0	1,900	58.0	2,300	60.5	2,200
150	48.5	1,300	52.0	1,600	55.5	1,900	58.5	2,100
155	46.5	1,000	49.5	1,300	53.5	1,600	56.0	1,800
160			47.5	1,000	51.0	1,300	53.0	1,400
165					48.5	1,000	50.5	1,100
Mln.Bm. Ang./Cap.	44.5		46.5		47.5		48.5	
Radius (ft)	156.7		162.5		166.7		168.3	
Maximum Boom Length At 0° Boom Angle (ft)		94						



Rated Lifting Capacities In Pounds		
  		
Load Radius (ft)	Δ °	360°
30	78.5	15,600
35	77.0	15,600
40	75.0	15,600
45	73.5	15,600
50	71.5	15,600
55	70.0	15,600
60	67.5	14,100
65	65.0	12,300
70	62.0	10,600
75	59.5	9,200
80	57.0	8,000
85	54.0	7,000
90	51.5	6,200
95	48.5	5,400
100	45.5	4,700
105	42.0	4,100
110	38.5	3,500
115	35.0	3,000
120	30.5	2,600
125	26.0	2,200
130	20.0	1,800
135	10.0	1,500
Min.Bm. Ang./Cap.	0.0	1,400
Radius (ft)	136.1	

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**Rated Lifting Capacities
In Pounds**



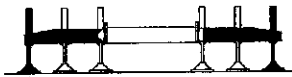
Full



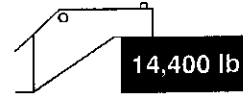
Load Radius (ft)	41.0 ft			50.0 ft			60.0 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear	Δ°	360°	Over Rear
9	71.5	150,000	150,000						
10	70.0	140,500	140,500	74.0	89,000	89,000	77.0	62,900	62,900
12	67.0	116,600	116,600	71.5	87,100	87,100	75.0	58,500	58,500
15	62.0	91,300	91,300	68.0	80,000	80,000	72.0	53,000	53,000
20	53.0	65,700	65,700	61.5	67,600	67,600	67.0	45,700	45,700
25	43.0	50,200	50,200	54.0	52,100	52,100	61.5	40,200	40,200
30	30.0	39,700	39,700	46.0	41,700	41,700	55.5	35,900	35,900
35				36.5	34,300	34,300	49.0	32,400	32,400
40				24.0	28,000	28,000	42.0	29,500	29,500
45							33.5	24,300	24,300
50							22.0	20,300	20,300
Min. Bm. Ang./Cap.	0.0	25,500	25,500	0.0	16,600	16,600	0.0	11,500	11,500
Radius (ft)	34.0			43.0			53.0		

Load Radius (ft)	70.0 ft			80.0 ft			90.0 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear	Δ°	360°	Over Rear
10	79.0	49,800	49,800						
12	77.5	46,500	46,500	79.5	42,400	42,400			
15	75.0	42,200	42,200	77.5	42,400	42,400	79.0	36,700	36,700
20	70.5	36,400	36,400	73.5	37,900	37,900	76.0	36,700	36,700
25	66.0	31,900	31,900	70.0	33,800	33,800	73.0	34,500	34,500
30	61.5	28,400	28,400	66.0	30,300	30,300	69.5	30,700	30,700
35	56.5	25,600	25,600	62.0	27,500	27,500	66.0	27,700	27,700
40	51.5	23,200	23,200	57.5	25,200	25,200	62.5	25,200	25,200
45	45.5	21,300	21,300	53.0	23,200	23,200	58.5	23,100	23,100
50	39.0	19,600	19,600	48.5	21,500	21,500	54.5	21,200	21,200
55	31.5	18,100	18,100	43.0	18,400	18,400	50.5	18,600	18,600
60	20.5	15,600	15,600	36.5	15,900	15,900	45.5	16,200	16,200
65				29.5	13,800	13,900	40.5	14,000	14,100
70				19.0	12,100	12,200	34.5	12,300	12,400
75							28.0	10,800	11,000
80							18.5	9,500	9,700
Min. Bm. Ang./Cap.	0.0	8,600	8,600	0.0	7,300	7,300	0.0	6,200	6,200
Radius (ft)	63.0			73.0			83.0		

Rated Lifting Capacities In Pounds



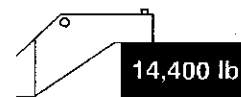
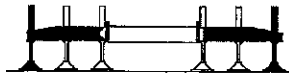
Full



Load Radius (ft)	100.0 ft			110.0 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear
20	77.5	30,700	30,700	79.0	29,100	29,100
25	75.0	30,700	30,700	77.0	29,100	29,100
30	72.0	28,400	28,400	74.5	29,100	29,100
35	69.0	25,700	25,700	72.0	26,600	26,600
40	66.0	23,400	23,400	69.0	24,400	24,400
45	62.5	21,400	21,400	66.0	22,500	22,500
50	59.5	19,700	19,700	63.5	20,900	20,900
55	56.0	18,200	18,200	60.0	18,400	18,400
60	52.0	16,200	16,200	56.5	15,900	15,900
65	48.0	14,100	14,100	53.0	13,800	13,900
70	43.5	12,400	12,500	49.5	12,100	12,300
75	38.5	10,900	11,000	45.5	10,700	10,900
80	33.0	9,600	9,800	41.5	9,400	9,600
85	26.5	8,500	8,700	37.0	8,300	8,500
90	17.5	7,500	7,700	31.5	7,300	7,600
95				25.5	6,500	6,700
100				17.0	5,700	6,000
Min.Bm. Ang./Cap.	0.0	5,200	5,200	0.0	4,200	4,200
Radius (ft)		93.0			103.0	

Load Radius (ft)	120.0 ft			127.0 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear
25	78.5	25,500	25,500	79.0	22,600	22,600
30	76.5	25,500	25,500	77.0	22,600	22,600
35	74.0	25,500	25,500	75.5	22,600	22,600
40	72.0	25,000	25,000	73.5	22,600	22,600
45	69.5	23,200	23,200	71.0	22,600	22,600
50	66.5	21,300	21,300	69.0	21,000	21,000
55	63.5	18,200	18,200	66.0	18,000	18,000
60	60.5	15,700	15,700	63.0	15,500	15,600
65	57.5	13,600	13,700	60.5	13,400	13,500
70	54.5	11,900	12,100	57.5	11,800	12,000
75	51.0	10,400	10,700	54.5	10,300	10,500
80	47.5	9,200	9,400	51.0	9,100	9,300
85	44.0	8,100	8,400	48.0	8,000	8,200
90	40.0	7,200	7,400	44.5	7,000	7,300
95	35.5	6,300	6,600	40.5	6,200	6,500
100	30.5	5,800	5,800	36.5	5,500	5,700
105	24.5	4,900	5,100	32.0	4,800	5,100
110	16.5	4,300	4,600	26.5	4,200	4,500
115				20.0	3,700	3,900
Min.Bm. Ang./Cap.	0.0	3,300	3,300	0.0	2,700	2,700
Radius (ft)		113.0			120.0	

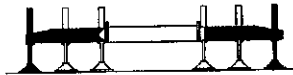
Rated Lifting Capacities In Pounds



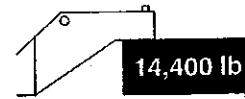
Load Radius (ft)	41.0 ft			50.0 ft			60.0 ft			70.0 ft		
	Δ °	360°	Over Rear	Δ °	360°	Over Rear	Δ °	360°	Over Rear	Δ °	360°	Over Rear
9	71.5	150,000	150,000									
10	70.0	140,500	140,500	74.0	89,000	89,000	77.0	77,000	77,000	79.5	74,000	74,000
12	67.0	116,600	116,600	71.5	87,100	87,100	75.0	72,200	72,200	77.5	74,000	74,000
15	62.0	91,300	91,300	68.0	80,000	80,000	72.0	66,000	66,000	75.0	68,500	68,500
20	53.0	65,700	65,700	61.5	67,600	67,600	67.0	57,800	57,800	71.0	60,800	60,800
25	43.0	50,200	50,200	54.0	52,100	52,100	61.5	51,400	51,400	66.5	53,700	53,700
30	30.0	39,700	39,700	46.0	41,700	41,700	55.5	42,800	42,800	61.5	43,300	43,300
35				36.5	34,300	34,300	49.0	35,400	35,400	56.5	35,900	35,900
40				24.0	28,000	28,000	42.0	29,300	29,300	51.0	29,700	29,700
45							33.5	24,000	24,000	45.5	24,600	24,600
50							21.5	20,000	20,000	38.5	20,600	20,600
55										31.0	17,500	17,500
60										20.0	15,000	15,000
Min.Bm. Ang./Cap.	0.0	25,500	25,500	0.0	16,600	16,600	0.0	12,400	12,400	0.0	10,300	10,300
Radius (ft)	34.0			43.0			53.0			63.0		

Load Radius (ft)	80.0 ft			90.0 ft			100.0 ft			113.1 ft		
	Δ °	360°	Over Rear	Δ °	360°	Over Rear	Δ °	360°	Over Rear	Δ °	360°	Over Rear
12	79.5	57,000	57,000									
15	77.5	51,900	51,900	79.5	48,700	48,700						
20	73.5	44,900	44,900	76.0	42,800	42,800	78.5	42,500	42,500			
25	70.0	39,500	39,500	73.0	38,100	38,100	75.5	38,300	38,300	78.0	32,800	32,800
30	66.0	35,100	35,100	69.5	34,100	34,100	72.5	34,800	34,800	75.5	32,100	32,100
35	62.0	31,600	31,600	66.0	30,800	30,800	69.5	31,500	31,500	73.0	29,200	29,200
40	57.5	28,700	28,700	62.5	28,100	28,100	66.5	29,000	29,000	70.5	26,700	26,700
45	53.0	24,900	24,900	58.5	24,900	24,900	63.0	24,700	24,700	67.5	24,400	24,400
50	48.0	21,000	21,000	54.5	20,900	20,900	59.0	20,700	20,700	64.5	20,500	20,500
55	42.5	17,900	17,900	50.0	17,800	17,800	55.5	17,600	17,600	61.0	17,400	17,400
60	36.5	15,400	15,400	45.5	15,300	15,400	51.5	15,100	15,200	58.0	14,900	15,000
65	29.0	13,300	13,300	40.0	13,200	13,300	47.5	13,000	13,200	54.5	12,800	13,000
70	19.0	11,500	11,600	34.5	11,600	11,700	43.0	11,400	11,600	51.0	11,200	11,400
75				27.5	10,100	10,200	38.5	9,900	10,100	47.5	9,700	10,000
80				18.0	8,800	9,000	33.0	8,700	8,900	43.5	8,500	8,700
85							26.5	7,600	7,800	39.5	7,400	7,600
90							17.5	6,600	6,800	34.5	6,500	6,700
95										29.0	5,600	5,900
100										22.5	4,900	5,100
105										11.5	4,200	4,500
Min.Bm. Ang./Cap.	0.0	6,500	6,500	0.0	6,900	6,900	0.0	5,500	5,500	0.0	4,000	4,000
Radius (ft)	73.0			83.0			93.0			106.1		

Rated Lifting Capacities In Pounds



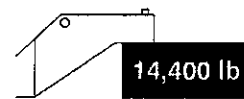
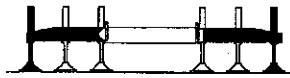
Full



Load Radius (ft)	41.0 ft			50.0 ft			60.0 ft			70.0 ft		
	\angle °	360°	Over Rear	\angle °	360°	Over Rear	\angle °	360°	Over Rear	\angle °	360°	Over Rear
9	71.5	150,000	150,000									
10	70.0	140,500	140,500	74.0	89,000	89,000	77.0	77,000	77,000	79.5	74,400	74,400
12	67.0	116,600	116,600	71.5	87,100	87,100	75.0	72,200	72,200	77.5	74,300	74,300
15	62.0	91,300	91,300	68.0	80,000	80,000	72.0	68,000	68,000	75.0	68,700	68,700
20	53.0	65,700	65,700	61.5	67,600	67,600	67.0	57,800	57,800	71.0	60,900	60,900
25	43.0	50,200	50,200	54.0	62,100	62,100	61.5	51,400	51,400	66.5	53,600	53,600
30	30.0	39,700	39,700	46.0	41,700	41,700	55.5	42,800	42,800	61.5	43,300	43,300
35				36.5	34,800	34,800	49.0	35,400	35,400	56.5	35,900	35,900
40				24.0	28,000	28,000	42.0	29,300	29,300	51.0	29,700	29,700
45							33.5	24,000	24,000	45.5	24,500	24,500
50							21.5	20,000	20,000	38.5	20,600	20,600
55										31.0	17,400	17,400
60										20.0	14,900	14,900
Min.Bm. Ang./Cap.	0.0	25,500	25,500	0.0	16,600	16,600	0.0	12,400	12,400	0.0	10,200	10,200
Radius (ft)	34.0			43.0			53.0			63.0		

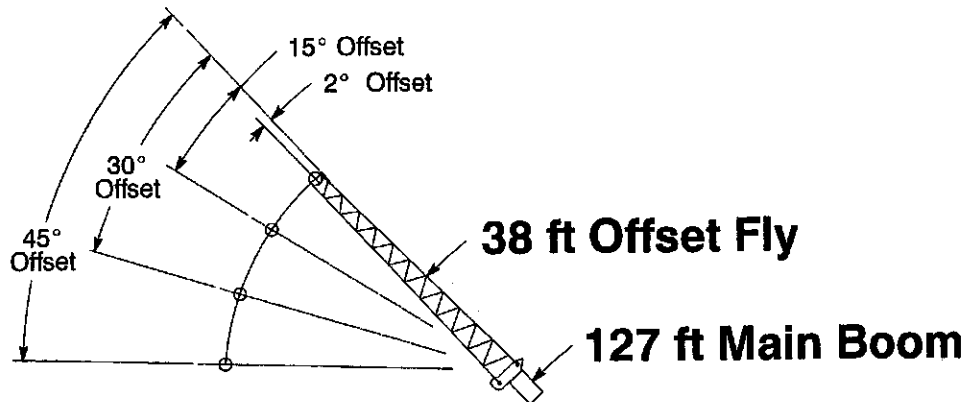
Load Radius (ft)	80.0 ft			90.0 ft			98.7 ft		
	\angle °	360°	Over Rear	\angle °	360°	Over Rear	\angle °	360°	Over Rear
12	79.5	62,800	62,800						
15	77.5	62,800	62,800	79.5	61,400	61,400			
20	74.0	62,800	62,800	76.5	57,100	57,100	78.0	47,900	47,900
25	70.0	53,400	53,400	73.0	49,900	49,900	75.5	42,500	42,500
30	66.0	43,100	43,100	69.5	43,000	43,000	72.5	38,100	38,100
35	62.0	35,800	35,800	66.0	35,700	35,700	69.0	34,300	34,300
40	57.5	29,500	29,500	62.5	29,300	29,300	66.0	29,100	29,100
45	52.5	24,300	24,300	58.5	24,200	24,200	62.0	24,100	24,100
50	47.5	20,400	20,400	54.0	20,300	20,300	58.5	20,100	20,100
55	42.5	17,300	17,300	50.0	17,200	17,200	55.0	17,100	17,100
60	36.0	14,800	14,800	45.0	14,700	14,700	51.0	14,600	14,600
65	29.0	12,800	12,800	40.0	12,700	12,700	46.5	12,600	12,700
70	19.0	11,000	11,100	34.5	10,900	11,100	42.0	10,800	11,000
75				27.5	9,400	9,600	37.0	9,400	9,600
80				18.0	8,100	8,400	31.5	8,100	8,300
85							24.5	7,000	7,200
90							14.0	6,000	6,300
Min.Bm. Ang./Cap.	0.0	8,200	8,200	0.0	6,500	6,500	0.0	5,200	5,200
Radius (ft)	73.0			83.0			91.7		


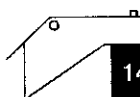

**Fixed Boom Lengths
Rated Lifting Capacities
In Pounds
See Operation Note 10.**

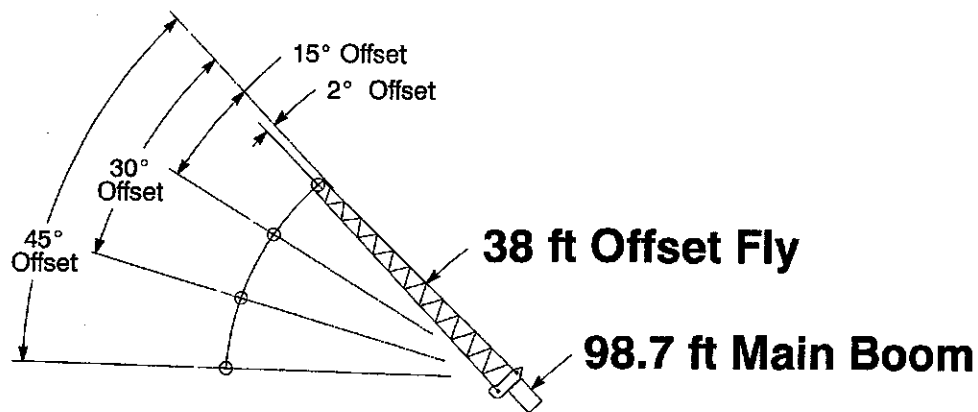



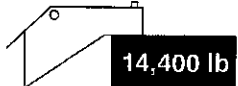

Load Radius (ft)	41.0 ft			47.0 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear
9	71.5	150,000	150,000			
10	70.0	140,500	140,500	73.0	110,700	110,700
12	67.0	116,600	116,600	70.0	105,000	105,000
15	62.0	91,300	91,300	66.0	92,600	92,600
20	53.0	65,700	65,700	59.0	67,000	67,000
25	43.0	50,200	50,200	51.0	51,500	51,500
30	30.0	39,700	39,700	42.0	41,100	41,100
35				30.5	33,700	33,700
Min.Bm. Ang./Cap.	0.0	25,500	25,500	0.0	18,900	18,900
Radius (ft)		34.0			40.0	

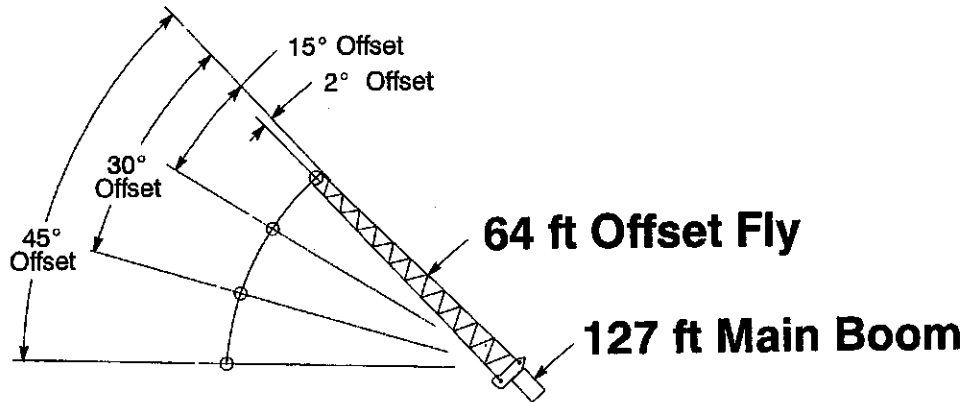
Load Radius (ft)	61.3 ft			76.0 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear
10	77.5	106,900	106,900			
12	75.5	106,900	106,900	79.0	81,000	81,000
15	72.5	93,700	93,700	77.0	77,400	77,400
20	67.5	68,300	68,300	73.0	68,100	68,100
25	62.0	52,800	52,800	68.5	52,700	52,700
30	56.5	42,500	42,500	64.5	42,400	42,400
35	50.0	35,100	35,100	60.0	35,100	35,100
40	43.5	28,900	28,900	55.0	28,700	28,700
45	35.5	23,600	23,600	50.0	23,600	23,600
50	25.0	19,700	19,700	44.5	19,700	19,700
55				38.5	16,600	16,600
60				31.5	14,100	14,100
65				22.0	12,000	12,100
Min.Bm. Ang./Cap.	0.0	13,700	13,700	0.0	9,500	9,500
Radius (ft)		54.3			69.0	


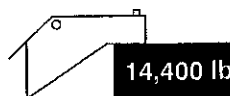



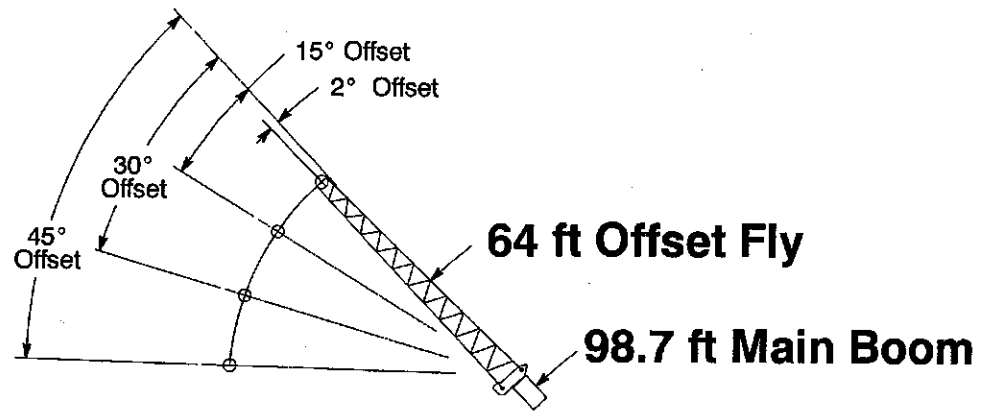
Rated Lifting Capacities In Pounds			 Full		 14,400 lb			
Load Radius (ft)	2° Offset		15° Offset		30° Offset		45° Offset	
	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°
35	79.5	10,900						
40	78.0	10,900						
45	76.5	10,900	79.5	10,400				
50	75.0	10,900	78.0	10,300				
55	73.5	10,900	76.5	10,100	79.5	9,100		
60	72.0	10,900	75.0	9,900	77.5	8,900		
65	70.5	10,700	73.0	9,700	76.0	8,700	78.0	8,100
70	69.0	10,500	71.5	9,500	74.0	8,600	76.5	8,000
75	67.0	10,200	69.5	9,300	72.5	8,500	74.5	7,900
80	65.0	9,600	67.5	9,000	70.5	8,300	72.5	7,700
85	62.5	8,500	65.5	8,500	68.5	8,000	70.5	7,700
90	60.5	7,600	63.5	8,000	66.5	7,700	68.5	7,400
95	58.0	6,700	61.0	7,100	64.0	7,400	66.0	7,200
100	55.5	5,900	58.5	6,300	61.5	6,700	64.0	6,900
105	53.0	5,300	56.0	5,600	59.0	6,000	61.0	6,200
110	50.5	4,700	53.5	5,000	56.0	5,300	58.0	5,500
115	47.5	4,100	50.5	4,400	53.5	4,700	55.0	4,900
120	44.5	3,600	47.5	3,900	50.5	4,100	51.5	4,300
125	41.5	3,200	44.5	3,400	47.0	3,600	48.0	3,700
130	38.5	2,800	41.5	3,000	43.5	3,200		
135	35.0	2,400	38.0	2,600	40.0	2,700		
140	31.0	2,100	34.0	2,200	35.5	2,300		
145	26.5	1,800	29.5	1,900	30.5	1,900		
150	21.5	1,500	24.0	1,600				
155	14.0	1,200	16.0	1,300				
Min. Bm. Ang./Cap.	0.0	500	0.0	500	0.0	600	0.0	700
Radius (ft)	158.0		157.5		155.0		150.6	

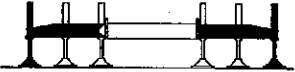
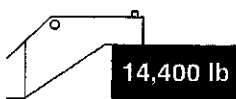



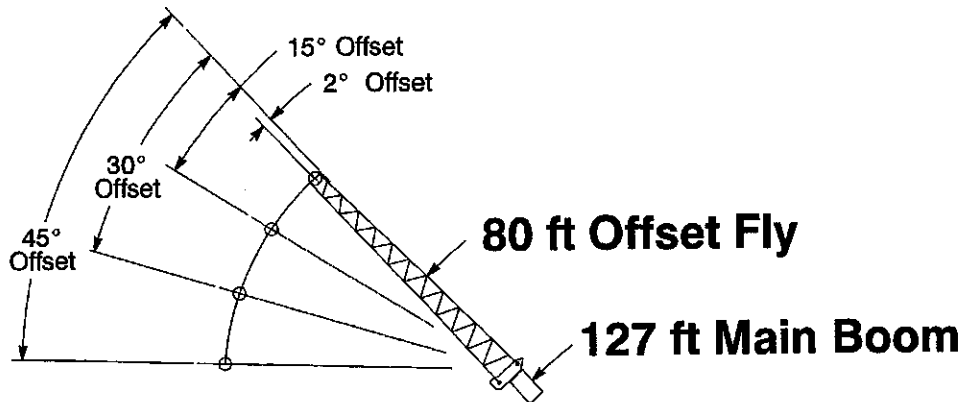
Rated Lifting Capacities In Pounds			 Full		 14,400 lb			
Load Radius (ft)	2° Offset		15° Offset		30° Offset		45° Offset	
	Δ °	360°	Δ °	360°	Δ °	360°	Δ °	360°
30	78.0	16,200						
35	76.0	15,600						
40	74.0	14,900	77.0	12,500				
45	72.0	14,300	75.0	12,000	78.5	10,100		
50	69.5	13,600	73.0	11,500	76.5	9,800		
55	67.5	13,000	70.5	11,100	74.0	9,500	77.0	8,600
60	65.0	12,500	68.5	10,700	72.0	9,300	74.5	8,400
65	63.0	11,900	66.0	10,300	69.5	9,000	72.0	8,300
70	60.5	11,400	63.5	10,000	67.0	8,800	69.5	8,100
75	58.0	10,700	61.0	9,700	64.5	8,600	67.0	8,000
80	55.0	9,400	58.5	9,400	62.0	8,500	64.0	7,900
85	52.0	8,300	56.0	8,800	59.0	8,300	61.0	7,800
90	49.0	7,300	52.5	7,800	56.0	8,200	58.0	7,700
95	46.0	6,500	49.5	6,900	52.5	7,200	54.5	7,400
100	42.5	5,700	46.0	6,100	49.0	6,400	50.5	6,500
105	38.5	5,100	42.0	5,400	45.0	5,600	46.5	5,700
110	34.5	4,500	38.0	4,700	40.5	4,900		
115	30.0	3,900	33.5	4,100	35.5	4,300		
120	25.0	3,400	28.0	3,600				
125	18.0	3,000	21.0	3,100				
Min.Bm. Ang./Cap.	0.0	1,900	0.0	1,900	0.0	2,100	0.0	2,300
Radius (ft)	129.7		129.3		127.0		122.9	

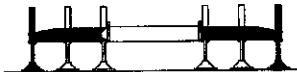
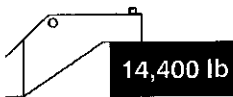



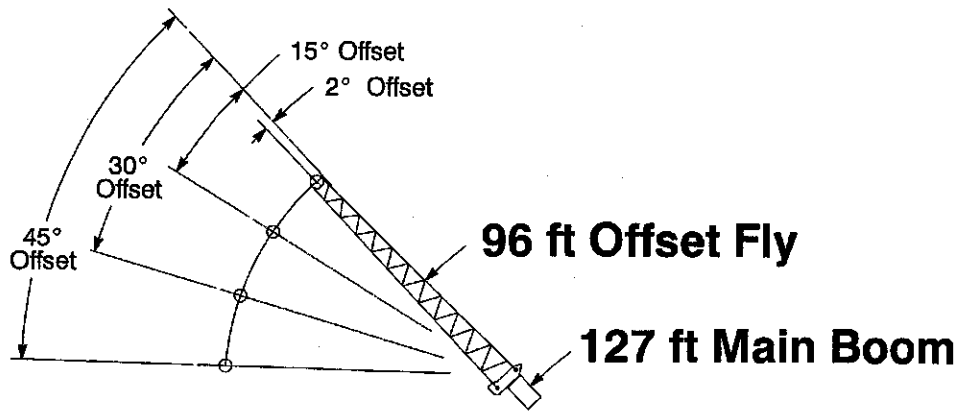
Rated Lifting Capacities In Pounds			 Full		 14,400 lb			
Load Radius (ft)	2° Offset		15° Offset		30° Offset		45° Offset	
	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°
45	79.5	7,300						
50	78.5	7,300						
55	77.0	7,200						
60	76.0	7,100						
65	74.5	6,900	79.0	6,100				
70	73.0	6,800	77.5	6,000				
75	72.0	6,600	76.0	5,800				
80	70.5	6,500	74.5	5,600	79.0	4,900		
85	69.0	6,300	73.0	5,500	77.5	4,800		
90	67.5	6,100	71.5	5,300	76.0	4,700	79.5	4,200
95	66.0	5,900	70.0	5,200	74.0	4,600	78.0	4,200
100	64.5	5,700	68.5	5,100	72.5	4,500	76.0	4,100
105	62.5	5,400	66.5	4,900	71.0	4,400	74.5	4,100
110	60.5	5,100	65.0	4,700	69.0	4,300	72.5	4,100
115	58.5	4,700	63.0	4,500	67.0	4,200	70.5	4,000
120	56.5	4,200	61.0	4,300	65.0	4,000	68.5	3,900
125	54.5	3,800	59.0	4,100	63.0	3,900	66.5	3,800
130	52.0	3,300	57.0	3,800	61.0	3,700	64.0	3,600
135	50.0	2,900	54.5	3,300	59.0	3,600	61.5	3,500
140	47.5	2,600	52.0	3,000	56.5	3,300	59.0	3,400
145	45.0	2,300	49.5	2,600	53.5	2,900	56.0	3,100
150	42.5	2,000	47.0	2,300	51.0	2,500	52.5	2,700
155	40.0	1,700	44.5	2,000	47.5	2,200	49.0	2,300
160	37.5	1,400	41.5	1,700	44.5	1,900	45.0	1,900
165	34.5	1,200	38.5	1,400	41.0	1,500		
170	31.0	1,000	34.5	1,100	36.5	1,200		
Min. Bm. Ang./Cap.	29.0		30.5		32.0		34.5	
Radius (ft)	172.5		175.0		175.0		172.6	
Maximum Boom Length At 0° Boom Angle (ft)		112						

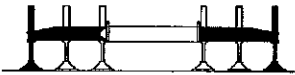
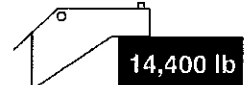



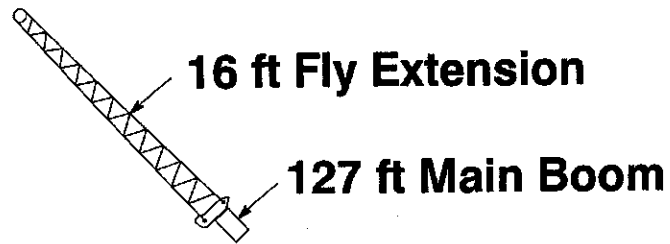
Rated Lifting Capacities In Pounds			 Full		 14,400 lb			
Load Radius (ft)	2° Offset		15° Offset		30° Offset		45° Offset	
	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°
35	79.5	10,300						
40	77.5	9,900						
45	76.0	9,400						
50	74.5	9,000						
55	72.5	8,500						
60	71.0	8,100						
65	69.0	7,700	79.5	7,400				
70	67.0	7,300	77.5	7,000				
75	65.5	7,000	76.0	6,700				
80	63.5	6,700	74.0	6,400	79.5	5,400		
85	61.5	6,400	72.0	6,200	77.5	5,200		
90	59.5	6,100	70.0	5,900	75.5	5,100		
95	57.5	5,800	68.5	5,700	73.5	4,900	78.0	4,400
100	55.0	5,600	66.5	5,500	71.5	4,800	76.0	4,300
105	53.0	5,400	64.5	5,300	69.5	4,700	73.5	4,300
110	50.5	5,200	62.0	5,100	67.0	4,600	71.5	4,200
115	48.0	4,700	60.0	5,000	65.0	4,500	69.0	4,200
120	45.0	4,200	57.5	4,800	62.5	4,400	66.5	4,100
125	42.0	3,800	55.5	4,700	60.0	4,300	63.5	4,100
130	39.0	3,400	53.0	4,600	57.5	4,200	61.0	4,100
135	36.0	3,000	50.0	4,500	54.5	4,200	57.5	4,100
140	32.0	2,600	47.5	4,200	51.5	4,100	54.5	4,100
145	28.0	2,300	44.0	3,700	48.5	4,000	50.5	4,100
150	22.5	2,000	40.5	3,300	44.5	3,500	45.5	3,600
155	13.5	1,800	37.0	2,900	40.0	3,100		
155	13.5	1,800	32.5	2,500	34.5	2,600		
155	13.5	1,800	26.5	2,200				
Min.Bm. Ang./Cap.	0.0	1,100	0.0	1,100	0.0	1,200	0.0	1,400
Radius (ft)	155.7		154.9		151.5		145.5	

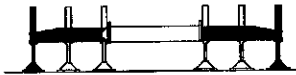
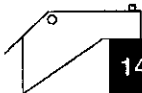



Rated Lifting Capacities In Pounds			 Full		 14,400 lb			
Load Radius (ft)	2° Offset		15° Offset		30° Offset		45° Offset	
	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°
50	79.0	5,800						
55	78.0	5,800						
60	77.0	5,800						
65	76.0	5,800	79.5	5,600				
70	75.0	5,800	78.0	5,300				
75	73.5	5,800	76.5	5,000				
80	72.0	5,500	75.5	4,700	79.0	3,900		
85	71.0	5,200	74.0	4,400	78.0	3,700		
90	69.5	4,900	72.5	4,200	76.5	3,500	80.0	3,100
95	68.0	4,600	71.0	4,000	75.0	3,400	78.5	2,900
100	66.5	4,400	69.5	3,800	73.5	3,200	76.5	2,800
105	65.0	4,200	68.0	3,600	72.0	3,100	75.0	2,700
110	63.5	4,000	66.5	3,500	70.5	2,900	73.5	2,600
115	62.0	3,800	65.0	3,300	68.5	2,800	72.0	2,500
120	60.0	3,600	63.0	3,200	67.0	2,700	70.0	2,500
125	58.5	3,400	61.5	3,000	65.5	2,600	68.5	2,400
130	56.5	3,200	60.0	2,900	63.5	2,500	66.5	2,300
135	54.5	2,800	58.0	2,800	62.0	2,500	64.5	2,300
140	52.5	2,400	56.5	2,700	60.0	2,400	62.5	2,200
145	50.5	2,100	54.5	2,400	58.0	2,300	60.5	2,200
150	48.5	1,800	52.0	2,100	56.0	2,300	58.5	2,100
155	46.5	1,500	50.0	1,800	54.0	2,100	56.0	2,100
160	44.5	1,300	47.5	1,500	51.5	1,800	53.5	1,900
165	42.0	1,000	45.5	1,200	49.0	1,500	50.5	1,600
170			43.0	1,000	46.0	1,200	47.5	1,300
Min. Bm. Ang./Cap.	41.0		42.0		43.5		43.0	
Radius (ft)	167.5		172.5		175.0		176.3	
Maximum Boom Length At 0° Boom Angle (ft)		101						

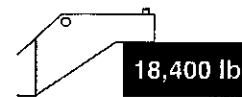


Rated Lifting Capacities In Pounds			 Full		 14,400 lb			
Load Radius (ft)	2° Offset		15° Offset		30° Offset		45° Offset	
	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°
55	79.5	4,500						
60	78.5	4,500						
65	77.5	4,500						
70	76.5	4,500	79.5	4,200				
75	75.5	4,500	78.5	3,900				
80	74.0	4,100	77.0	3,700				
85	73.0	3,900	75.5	3,400	79.5	3,000		
90	71.5	3,600	74.5	3,200	78.0	2,800		
95	70.0	3,400	73.0	3,000	77.0	2,600	80.0	2,300
100	69.0	3,200	71.5	2,800	75.5	2,400	78.5	2,200
105	67.5	3,000	70.5	2,600	74.0	2,300	77.5	2,100
110	66.0	2,800	69.0	2,500	72.5	2,200	76.0	1,900
115	64.5	2,600	67.5	2,300	71.5	2,000	74.5	1,800
120	63.0	2,500	66.0	2,200	70.0	1,900	73.0	1,700
125	62.0	2,300	64.5	2,100	68.5	1,800	71.5	1,600
130	60.5	2,200	63.5	1,900	67.0	1,700	70.0	1,500
135	59.0	2,100	61.5	1,800	65.5	1,600	68.0	1,500
140	57.0	2,000	60.0	1,700	63.5	1,500	66.5	1,400
145	55.5	1,800	58.5	1,600	62.0	1,400	64.5	1,300
150	54.0	1,700	57.0	1,500	60.5	1,300	63.0	1,200
155	52.0	1,500	55.5	1,500	58.5	1,300	61.0	1,200
160	50.5	1,200	53.5	1,400	57.0	1,200	59.0	1,100
165			51.5	1,200	55.0	1,200	57.0	1,100
170			49.5	1,000	53.0	1,100	55.0	1,100
175					51.0	1,000	52.5	1,000
Min.Bm. Ang./Cap.	48.5		49.0		50.0		51.5	
Radius (ft)	165.0		171.7		176.7		177.5	
Maximum Boom Length At 0° Boom Angle (ft)		90						



<div> <div>Rated Lifting Capacities In Pounds</div> <div>  <div>Full</div> </div> <div>  <div>14,400 lb</div> </div> <div>  </div> </div>		
Load Radius (ft)	Δ °	360°
30	78.5	15,600
35	77.0	15,600
40	75.0	15,600
45	73.5	15,600
50	71.5	15,600
55	70.0	15,600
60	68.0	15,600
65	65.0	13,500
70	62.5	11,900
75	60.0	10,400
80	57.5	9,100
85	54.5	8,100
90	51.5	7,100
95	49.0	6,300
100	45.5	5,500
105	42.5	4,900
110	39.0	4,300
115	35.5	3,800
120	31.0	3,300
125	26.0	2,800
130	20.0	2,400
135	10.5	2,100
Min.Bm. Ang./Cap.	0.0	1,400
Radius (ft)	136.1	

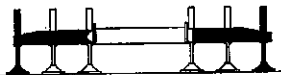
**Rated Lifting Capacities
In Pounds**



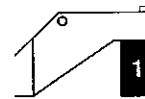
Load Radius (ft)	41.0 ft			50.0 ft			60.0 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear	Δ°	360°	Over Rear
9	71.5	150,000	150,000						
10	70.0	140,500	140,500	74.0	89,000	89,000	77.0	62,900	62,900
12	67.0	120,500	120,500	71.5	87,100	87,100	75.0	58,500	58,500
15	62.0	94,400	94,400	68.0	80,000	80,000	72.0	53,000	53,000
20	53.0	68,000	68,000	61.5	69,900	69,900	67.0	45,700	45,700
25	43.0	52,000	52,000	54.0	54,000	54,000	61.5	40,200	40,200
30	30.0	41,300	41,300	46.0	43,300	43,300	55.5	35,900	35,900
35				36.5	35,600	35,600	49.0	32,400	32,400
40				24.0	29,800	29,800	42.0	29,500	29,500
45							33.5	26,300	26,300
50							22.0	22,100	22,100
Min.Bm. Ang./Cap.	0.0	25,500	25,500	0.0	16,600	16,600	0.0	11,500	11,500
Radius (ft)		34.0			43.0			53.0	

Load Radius (ft)	70.0 ft			80.0 ft			90.0 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear	Δ°	360°	Over Rear
10	79.0	49,800	49,800						
12	77.5	46,500	46,500	79.5	42,400	42,400			
15	75.0	42,200	42,200	77.5	42,400	42,400	79.0	36,700	36,700
20	70.5	36,400	36,400	73.5	37,900	37,900	76.0	36,700	36,700
25	66.0	31,900	31,900	70.0	33,800	33,800	73.0	34,500	34,500
30	61.5	28,400	28,400	66.0	30,300	30,300	69.5	30,700	30,700
35	56.5	25,600	25,600	62.0	27,500	27,500	66.0	27,700	27,700
40	51.5	23,200	23,200	57.5	25,200	25,200	62.5	25,200	25,200
45	45.5	21,300	21,300	53.0	23,200	23,200	58.5	23,100	23,100
50	39.0	19,600	19,600	48.5	21,500	21,500	54.5	21,200	21,200
55	31.5	16,200	16,200	43.0	20,000	20,000	50.5	19,600	19,600
60	20.5	17,000	17,000	37.0	17,400	17,400	46.0	17,600	17,600
65				29.5	15,200	15,200	40.5	15,400	15,400
70				19.5	13,300	13,300	35.0	13,600	13,600
75							28.0	12,100	12,100
80							18.5	10,700	10,700
Min.Bm. Ang./Cap.	0.0	8,600	8,600	0.0	7,300	7,300	0.0	6,200	6,200
Radius (ft)		63.0			73.0			83.0	

Rated Lifting Capacities In Pounds



Full



18,400 lb



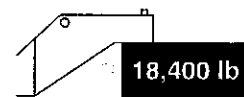
Load Radius (ft)	100.0 ft			110.0 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear
20	77.5	30,700	30,700	79.0	29,100	29,100
25	75.0	30,700	30,700	77.0	29,100	29,100
30	72.0	28,400	28,400	74.5	29,100	29,100
35	69.0	25,700	25,700	72.0	26,600	26,600
40	66.0	23,400	23,400	69.0	24,400	24,400
45	62.5	21,400	21,400	66.0	22,500	22,500
50	59.5	19,700	19,700	63.5	20,900	20,900
55	56.0	18,200	18,200	60.0	19,400	19,400
60	52.0	16,900	16,900	57.0	17,400	17,400
65	48.0	15,500	15,500	53.5	15,200	15,200
70	43.5	13,600	13,600	50.0	13,400	13,400
75	39.0	12,200	12,200	46.0	11,900	12,000
80	33.5	10,800	10,800	41.5	10,600	10,600
85	27.0	9,600	9,700	37.0	9,400	9,500
90	17.5	8,600	8,700	32.0	8,400	8,500
95				25.5	7,500	7,600
100				17.0	6,700	6,800
Min.Bm. Ang./Cap.	0.0	5,200	5,200	0.0	4,200	4,200
Radius (ft)	93.0			103.0		

Load Radius (ft)	120.0 ft			127.0 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear
25	78.5	25,500	25,500	79.0	22,600	22,600
30	76.5	25,500	25,500	77.0	22,600	22,600
35	74.0	25,500	25,500	75.5	22,600	22,600
40	72.0	25,000	25,000	73.5	22,600	22,600
45	69.5	23,200	23,200	71.0	22,600	22,600
50	67.0	21,600	21,600	69.0	21,000	21,000
55	64.0	19,800	19,800	66.5	19,400	19,400
60	61.0	17,200	17,200	63.5	17,000	17,000
65	58.0	15,000	15,000	60.5	14,900	14,900
70	54.5	13,200	13,200	57.5	13,100	13,100
75	51.5	11,700	11,800	54.5	11,600	11,700
80	48.0	10,400	10,500	51.5	10,300	10,400
85	44.0	9,200	9,300	48.0	9,100	9,200
90	40.0	8,200	8,300	44.5	8,100	8,200
95	36.0	7,300	7,400	41.0	7,200	7,300
100	31.0	6,500	6,600	37.0	6,400	6,500
105	25.0	5,800	5,900	32.5	5,700	5,800
110	16.5	5,100	5,300	27.0	5,000	5,200
115				20.0	4,500	4,600
Min.Bm. Ang./Cap.	0.0	3,300	3,300	0.0	2,700	2,700
Radius (ft)	113.0			120.0		

**Rated Lifting Capacities
In Pounds**



Full



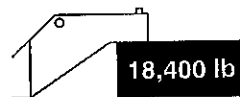
Load Radius (ft)	41.0 ft			50.0 ft			60.0 ft			70.0 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear	Δ°	360°	Over Rear	Δ°	360°	Over Rear
9	71.5	150,000	150,000									
10	70.0	140,500	140,500	74.0	89,000	89,000	77.0	77,000	77,000	79.5	74,000	74,000
12	67.0	120,500	120,500	71.5	87,100	87,100	75.0	72,200	72,200	77.5	74,000	74,000
15	62.0	94,400	94,400	68.0	80,000	80,000	72.0	68,000	68,000	75.0	68,500	68,500
20	53.0	68,000	68,000	61.5	69,900	69,900	67.0	57,800	57,800	71.0	60,800	60,800
25	43.0	52,000	52,000	54.0	54,000	54,000	61.5	51,400	51,400	66.5	54,800	54,800
30	30.0	41,300	41,300	46.0	43,600	43,600	55.5	44,400	44,400	61.5	44,900	44,900
35				36.5	35,600	35,600	49.0	36,700	36,700	56.5	37,300	37,300
40				24.0	29,800	29,800	42.0	31,000	31,000	51.5	31,500	31,500
45							33.5	26,000	26,000	45.5	26,600	26,600
50							21.5	21,800	21,800	39.0	22,400	22,400
55										31.0	19,100	19,100
60										20.0	16,400	16,400
Min.Bm. Ang./Cap.	0.0	25,500	25,500	0.0	16,600	16,600	0.0	12,400	12,400	0.0	10,300	10,300
Radius (ft)	34.0			43.0			53.0			63.0		

Load Radius (ft)	80.0 ft			90.0 ft			100.0 ft			113.1 ft		
	Δ°	360°	Over Rear	Δ°	360°	Over Rear	Δ°	360°	Over Rear	Δ°	360°	Over Rear
12	79.5	57,000	57,000									
15	77.5	51,900	51,900	79.5	48,700	48,700						
20	73.5	44,900	44,900	76.0	42,800	42,800	78.5	42,500	42,500			
25	70.0	39,500	39,500	73.0	38,100	38,100	75.5	38,300	38,300	78.0	32,800	32,800
30	66.0	35,100	35,100	69.5	34,100	34,100	72.5	34,800	34,800	75.5	32,100	32,100
35	62.0	31,600	31,600	66.0	30,800	30,800	69.5	31,500	31,500	73.0	29,200	29,200
40	57.5	28,700	28,700	62.5	28,100	28,100	66.5	29,000	29,000	70.5	26,700	26,700
45	53.0	26,200	26,200	58.5	25,800	25,800	63.0	26,600	26,600	67.5	24,500	24,500
50	48.0	22,800	22,800	54.5	22,700	22,700	59.5	22,500	22,500	64.5	22,300	22,300
55	42.5	19,500	19,500	50.0	19,500	19,500	55.5	19,300	19,300	61.5	19,000	19,000
60	36.5	16,800	16,800	45.5	16,800	16,800	52.0	16,600	16,600	58.0	16,400	16,400
65	29.0	14,600	14,600	40.5	14,700	14,700	47.5	14,500	14,500	55.0	14,300	14,300
70	19.0	12,800	12,800	34.5	12,800	12,800	43.5	12,800	12,800	51.5	12,600	12,600
75				27.5	11,300	11,300	38.5	11,200	11,200	47.5	11,000	11,100
80				18.0	10,000	10,000	33.0	9,900	9,900	43.5	9,700	9,800
85							26.5	8,700	8,700	39.5	8,500	8,600
90							17.5	7,600	7,700	35.0	7,500	7,600
95										29.5	6,600	6,700
100										22.5	5,800	5,900
105										11.5	5,100	5,200
Min.Bm. Ang./Cap.	0.0	8,500	8,500	0.0	6,900	6,900	0.0	5,500	5,500	0.0	4,000	4,000
Radius (ft)	73.0			83.0			93.0			106.1		

Rated Lifting Capacities In Pounds



Full



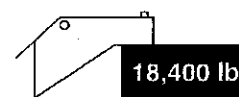
Load Radius (ft)	41.0 ft			50.0 ft			60.0 ft			70.0 ft		
	\angle °	360°	Over Rear	\angle °	360°	Over Rear	\angle °	360°	Over Rear	\angle °	360°	Over Rear
9	71.5	150,000	150,000									
10	70.0	140,500	140,500	74.0	89,000	89,000	77.0	77,000	77,000	79.5	74,400	74,400
12	67.0	120,500	120,500	71.5	87,100	87,100	75.0	72,200	72,200	77.5	74,300	74,300
15	62.0	94,400	94,400	68.0	80,000	80,000	72.0	68,000	68,000	75.0	68,700	68,700
20	53.0	68,000	68,000	61.5	69,900	69,900	67.0	57,800	57,800	71.0	60,900	60,900
25	43.0	52,000	52,000	54.0	54,000	54,000	61.5	51,400	51,400	66.5	54,900	54,900
30	30.0	41,300	41,300	46.0	43,300	43,300	55.5	44,400	44,400	61.5	44,900	44,900
35				36.5	35,600	35,600	49.0	36,700	36,700	56.5	37,200	37,200
40				24.0	29,800	29,800	42.0	31,000	31,000	51.5	31,500	31,500
45							33.5	26,000	26,000	45.5	26,500	26,500
50							21.5	21,800	21,800	39.0	22,400	22,400
55										31.0	19,000	19,000
60										20.0	16,400	16,400
Min.Bm. Ang./Cap.	0.0	25,500	25,500	0.0	16,600	16,600	0.0	12,400	12,400	0.0	10,200	10,200
Radius (ft)	34.0			43.0			53.0			63.0		

Load Radius (ft)	80.0 ft			90.0 ft			98.7 ft		
	\angle °	360°	Over Rear	\angle °	360°	Over Rear	\angle °	360°	Over Rear
12	79.5	62,800	62,800						
15	77.5	62,800	62,800	79.5	61,400	61,400			
20	74.0	62,800	62,800	76.5	57,100	57,100	78.0	47,900	47,900
25	70.0	55,300	55,300	73.0	49,900	49,900	75.5	42,500	42,500
30	66.0	44,700	44,700	70.0	44,100	44,100	72.5	38,100	38,100
35	62.0	37,100	37,100	66.0	37,000	37,000	69.0	34,300	34,300
40	57.5	31,800	31,300	62.5	31,200	31,200	66.0	31,100	31,100
45	53.0	26,300	26,300	58.5	26,100	26,100	62.5	26,000	26,000
50	48.0	22,200	22,200	54.5	22,100	22,100	59.0	21,900	21,900
55	42.5	18,900	18,900	50.0	18,800	18,800	55.0	18,700	18,700
60	36.5	16,300	16,300	45.5	16,200	16,200	51.0	16,100	16,100
65	29.0	14,100	14,100	40.0	14,000	14,000	47.0	13,900	13,900
70	19.0	12,300	12,300	34.5	12,300	12,300	42.5	12,200	12,200
75				27.5	10,700	10,700	37.5	10,700	10,700
80				18.0	9,400	9,400	31.5	9,300	9,400
85							24.5	8,100	8,200
90							14.0	7,100	7,200
Min.Bm. Ang./Cap.	0.0	9,200	8,200	0.0	6,500	6,500	0.0	5,200	5,200
Radius (ft)	73.0			83.0			91.7		

**Fixed Boom Lengths
Rated Lifting Capacities
In Pounds
See Operation Note 10.**

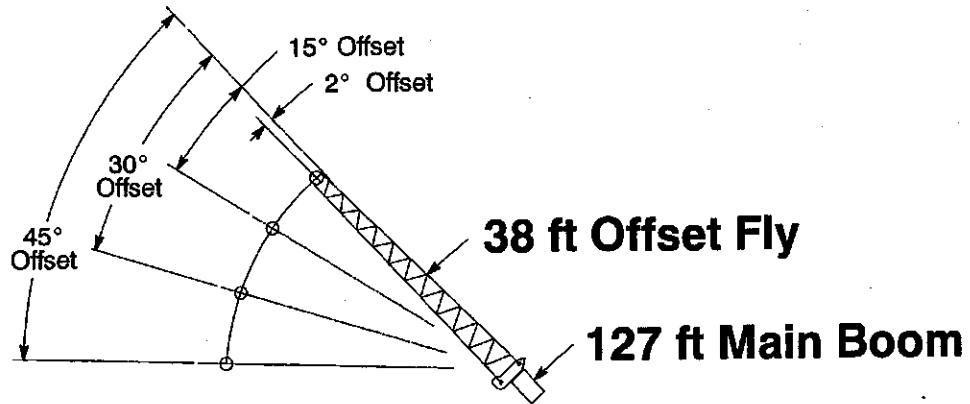


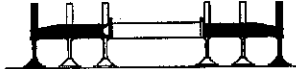


Full

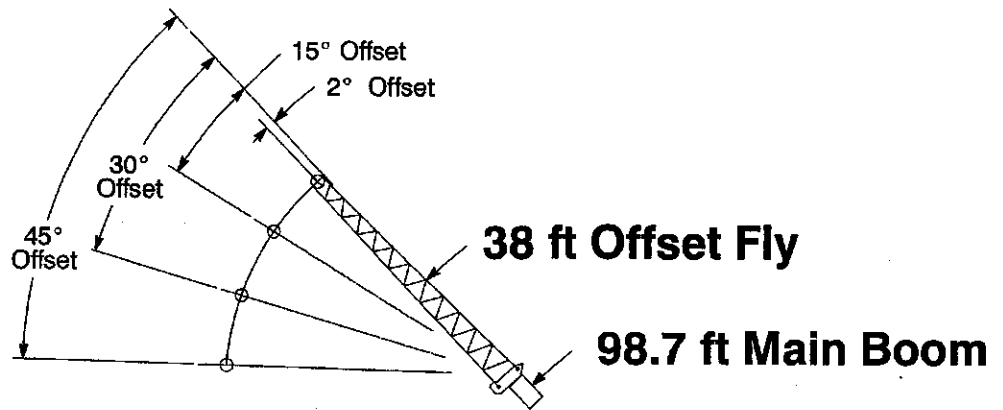


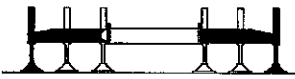
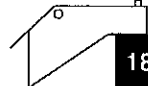

Load Radius (ft)	41.0 ft			47.0 ft		
	\angle °	360°	Over Rear	\angle °	360°	Over Rear
9	71.5	150,000	150,000			
10	70.0	140,500	140,500	73.0	110,700	110,700
12	67.0	120,500	120,500	70.0	105,000	105,000
15	62.0	84,400	84,400	66.0	95,800	95,800
20	53.0	68,000	68,000	59.0	69,400	69,400
25	43.0	52,000	52,000	51.0	53,400	53,400
30	30.0	41,300	41,300	42.0	42,700	42,700
35				30.5	35,000	35,000
Min.Bm. Ang./Cap.	0.0	25,500	25,500	0.0	18,900	18,900
Radius (ft)		34.0			40.0	

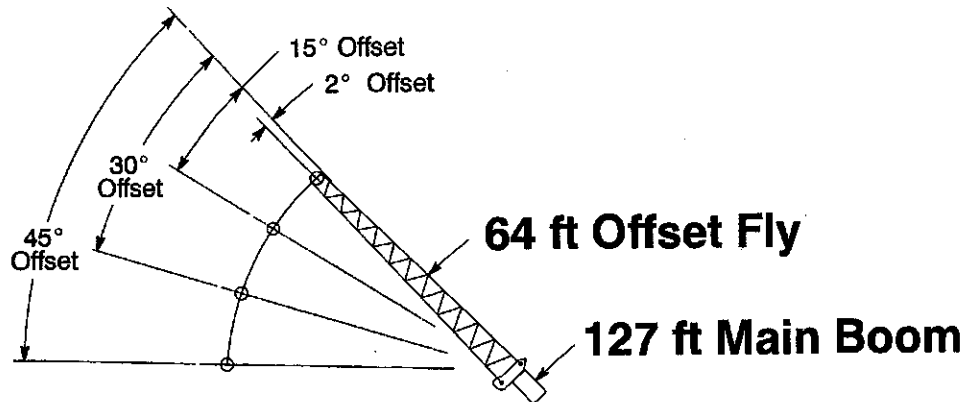
Load Radius (ft)	61.3 ft			76.0 ft		
	\angle °	360°	Over Rear	\angle °	360°	Over Rear
10	77.5	106,900	106,900			
12	75.5	106,900	106,900	79.0	81,000	81,000
15	72.5	96,800	96,800	77.0	77,400	77,400
20	67.5	70,600	70,600	73.0	70,400	70,400
25	62.0	54,700	54,700	68.5	54,600	54,600
30	56.5	44,000	44,000	64.5	44,000	44,000
35	50.0	36,400	36,400	60.0	36,400	36,400
40	43.5	30,600	30,600	55.0	30,600	30,600
45	35.5	25,700	25,700	50.0	25,600	25,600
50	25.0	21,500	21,500	44.5	21,500	21,500
55				38.5	18,200	18,200
60				31.5	15,600	15,600
65				22.0	13,400	13,400
Min.Bm. Ang./Cap.	0.0	13,700	13,700	0.0	9,500	9,500
Radius (ft)		54.3			69.0	


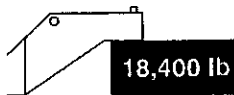



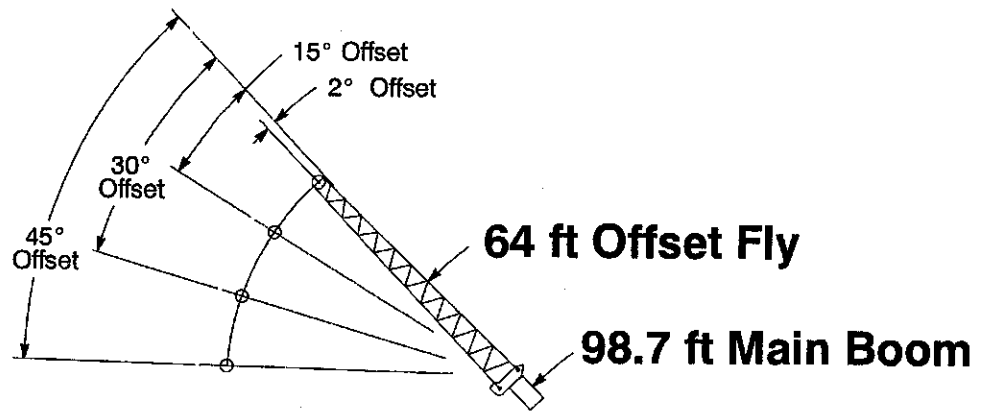
Rated Lifting Capacities In Pounds			 Full		 18,400 lb			
Load Radius (ft)	2° Offset		15° Offset		30° Offset		45° Offset	
	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°
35	79.5	10,900						
40	78.0	10,900						
45	76.5	10,900	79.5	10,400				
50	75.0	10,900	78.0	10,300				
55	73.5	10,900	76.5	10,100	79.5	9,100		
60	72.0	10,900	75.0	9,900	77.5	8,900		
65	70.5	10,700	73.0	9,700	76.0	8,700	78.0	8,100
70	69.0	10,500	71.5	9,500	74.0	8,600	76.5	8,000
75	67.0	10,200	69.5	9,300	72.5	8,500	74.5	7,900
80	65.0	9,600	67.5	8,000	70.5	8,300	72.5	7,700
85	63.0	9,100	65.5	8,500	68.5	8,000	70.5	7,700
90	61.0	8,600	63.5	8,100	66.5	7,700	68.5	7,400
95	58.5	7,700	61.5	7,800	64.0	7,400	66.0	7,200
100	56.0	6,900	59.0	7,300	62.0	7,100	64.0	6,900
105	53.5	6,200	56.5	6,500	59.5	6,800	61.5	6,700
110	51.0	5,500	54.0	5,800	57.0	6,100	58.5	6,300
115	48.0	4,900	51.0	5,200	54.0	5,500	55.5	5,600
120	45.0	4,400	48.5	4,700	51.0	4,900	52.5	5,000
125	42.0	3,900	45.0	4,200	47.5	4,400	49.0	4,400
130	39.0	3,500	42.0	3,700	44.0	3,900	45.0	3,900
135	35.5	3,100	38.5	3,300	40.5	3,400		
140	31.5	2,700	34.5	2,900	36.0	3,000		
145	27.5	2,400	30.0	2,500	31.5	2,600		
150	22.0	2,100	24.5	2,200				
155	14.5	1,800	17.0	1,800				
Min.Bm. Ang./Cap.	0.0	500	0.0	500	0.0	600	0.0	700
Radius (ft)	158.0		157.5		155.0		150.6	

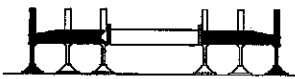
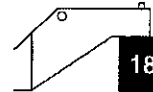







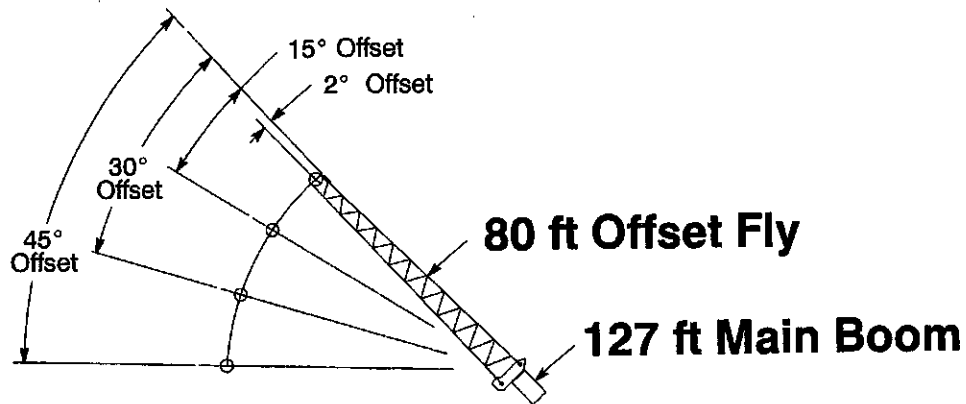
Rated Lifting Capacities In Pounds			 Full		 18,400 lb			
Load Radius (ft)	2° Offset		15° Offset		30° Offset		45° Offset	
	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°
30	78.0	18,200						
35	76.0	15,600						
40	74.0	14,900	77.0	12,500				
45	72.0	14,300	75.0	12,000	78.5	10,100		
50	69.5	13,600	73.0	11,500	76.5	9,800		
55	67.5	13,000	70.5	11,100	74.0	9,500	77.0	8,600
60	65.0	12,500	68.5	10,700	72.0	9,300	74.5	8,400
65	63.0	11,900	66.0	10,300	69.5	9,000	72.0	8,300
70	60.5	11,400	63.5	10,000	67.0	8,800	69.5	8,100
75	58.0	11,000	61.0	9,700	64.5	8,600	67.0	8,000
80	55.5	10,500	58.5	9,400	62.0	8,500	64.0	7,900
85	52.5	9,400	56.0	9,100	59.0	8,300	61.0	7,800
90	49.5	8,400	53.0	8,800	56.0	8,200	58.0	7,700
95	46.0	7,500	50.0	7,800	53.0	8,000	55.0	7,600
100	43.0	6,700	46.5	7,000	49.5	7,300	51.0	7,500
105	39.0	5,900	42.5	6,200	45.5	6,500	47.0	6,600
110	35.0	5,300	38.5	5,500	41.0	5,700		
115	30.5	4,700	34.0	4,900	36.0	5,100		
120	25.5	4,200	28.5	4,400	30.0	4,400		
125	18.5	3,700	21.5	3,800				
Min.Bm. Ang./Cap.	0.0	1,900	0.0	1,900	0.0	2,100	0.0	2,300
Radius (ft)	129.7		129.3		127.0		122.9	


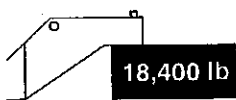



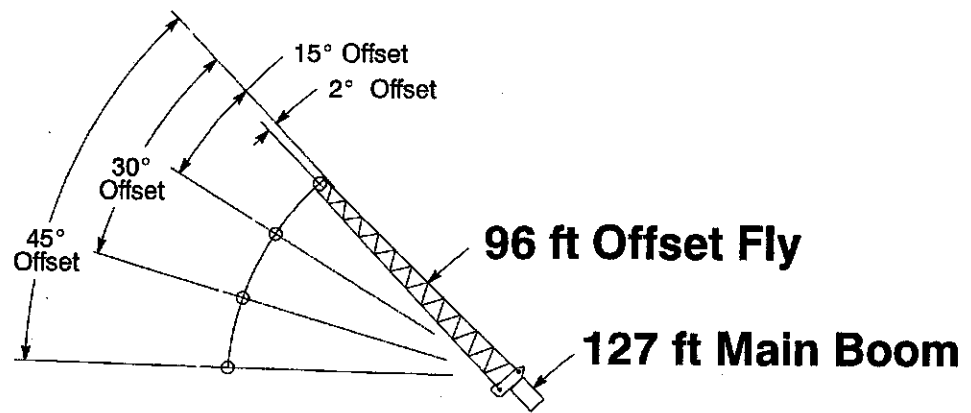
Rated Lifting Capacities In Pounds		 Full		 18,400 lb				
Load Radius (ft)	2° Offset		15° Offset		30° Offset		45° Offset	
	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°
45	79.5	7,300						
50	78.5	7,300						
55	77.0	7,200						
60	76.0	7,100						
65	74.5	6,900	79.0	6,100				
70	73.0	6,800	77.5	6,000				
75	72.0	6,600	76.0	5,800				
80	70.5	6,500	74.5	5,600	79.0	4,900		
85	69.0	6,300	73.0	5,500	77.5	4,800		
90	67.5	6,100	71.5	5,300	76.0	4,700	79.5	4,200
95	66.0	5,900	70.0	5,200	74.0	4,600	78.0	4,200
100	64.5	5,700	68.5	5,100	72.5	4,500	76.0	4,100
105	62.5	5,400	66.5	4,900	71.0	4,400	74.5	4,100
110	60.5	5,100	65.0	4,700	69.0	4,300	72.5	4,100
115	59.0	4,900	63.0	4,500	67.0	4,200	70.5	4,000
120	57.0	4,700	61.0	4,300	65.0	4,000	68.5	3,900
125	55.0	4,500	59.0	4,100	63.0	3,900	66.5	3,800
130	53.0	4,000	57.0	4,000	61.0	3,700	64.0	3,600
135	50.5	3,600	55.0	3,800	59.0	3,600	61.5	3,500
140	48.0	3,200	52.5	3,600	56.5	3,500	59.0	3,400
145	45.5	2,900	50.0	3,200	54.0	3,400	56.5	3,400
150	43.0	2,600	47.5	2,900	51.5	3,100	53.0	3,300
155	40.5	2,300	44.5	2,500	48.0	2,800	49.5	2,800
160	37.5	2,000	41.5	2,200	45.0	2,400	45.5	2,400
165	34.5	1,700	38.5	1,900	41.0	2,100		
170	31.0	1,500	34.5	1,700	36.5	1,700		
175	27.0	1,300	30.5	1,400	31.0	1,400		
180	21.5	1,100	24.5	1,100				
Min. Bm. Ang./Cap.	20.5		23.0		26.0		34.5	
Radius (ft)	181.0		180.4		175.5		172.6	
Maximum Boom Length At 0° Boom Angle (ft)		122						










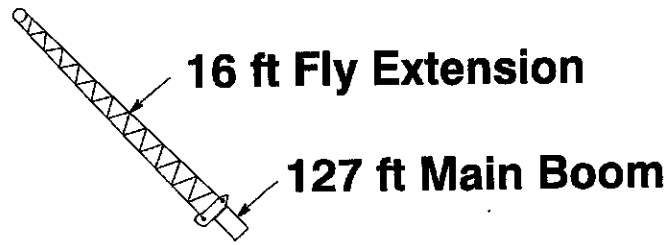
Rated Lifting Capacities In Pounds			 Full		 18,400 lb			
Load Radius (ft)	2° Offset		15° Offset		30° Offset		45° Offset	
		360°		360°		360°		360°
35	79.5	10,300						
40	77.5	9,900						
45	76.0	9,400						
50	74.5	9,000						
55	72.5	8,500						
60	71.0	8,100						
65	69.0	7,700						
70	67.0	7,300						
75	65.5	7,000						
80	63.5	6,700						
85	61.5	6,400						
90	59.5	6,100						
95	57.5	5,800						
100	55.0	5,600						
105	53.0	5,400						
110	50.5	5,200						
115	48.0	5,000						
120	45.5	4,900						
125	42.5	4,500						
130	39.5	4,100						
135	36.0	3,700						
140	32.5	3,300						
145	28.0	2,900						
150	22.5	2,600						
155	13.5	2,300						
Min.Bm. Ang./Cap.	0.0	1,100	0.0	1,100	0.0	1,200	0.0	1,400
Radius (ft)	155.7		154.9		151.5		145.5	


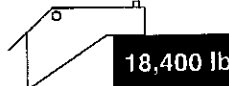


Rated Lifting Capacities In Pounds			 Full		 18,400 lb			
Load Radius (ft)	2° Offset		15° Offset		30° Offset		45° Offset	
	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°
50	79.0	5,800						
55	78.0	5,800						
60	77.0	5,800						
65	76.0	5,800	79.5	5,600				
70	75.0	5,800	78.0	5,300				
75	73.5	5,800	76.5	5,000				
80	72.0	5,500	75.5	4,700	79.0	3,900		
85	71.0	5,200	74.0	4,400	78.0	3,700		
90	69.5	4,900	72.5	4,200	76.5	3,500	80.0	3,100
95	68.0	4,600	71.0	4,000	75.0	3,400	78.5	2,900
100	66.5	4,400	69.5	3,800	73.5	3,200	76.5	2,800
105	65.0	4,200	68.0	3,600	72.0	3,100	75.0	2,700
110	63.5	4,000	66.5	3,500	70.5	2,900	73.5	2,600
115	62.0	3,800	65.0	3,300	68.5	2,800	72.0	2,500
120	60.0	3,600	63.0	3,200	67.0	2,700	70.0	2,500
125	58.5	3,400	61.5	3,000	65.5	2,600	68.5	2,400
130	57.0	3,300	60.0	2,900	63.5	2,500	66.5	2,300
135	55.0	3,200	58.0	2,800	62.0	2,500	64.5	2,300
140	53.5	3,000	56.5	2,700	60.0	2,400	62.5	2,200
145	51.0	2,700	54.5	2,600	58.0	2,300	60.5	2,200
150	49.0	2,400	52.5	2,500	56.0	2,300	58.5	2,100
155	47.0	2,100	50.5	2,400	54.0	2,200	56.0	2,100
160	44.5	1,800	48.0	2,100	51.5	2,200	53.5	2,100
165	42.5	1,500	45.5	1,800	49.0	2,000	51.0	2,100
170	40.0	1,300	43.0	1,500	46.5	1,700	47.5	1,800
175	37.5	1,100	40.5	1,300	43.5	1,400		
180			37.5	1,000	40.0	1,200		
Min. Bm. Ang./Cap.	34.5		36.0		36.5		35.5	
Radius (ft)	180.0		182.5		185.0		180.7	
Maximum Boom Length At 0° Boom Angle (ft)		110						

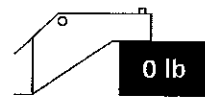


Rated Lifting Capacities In Pounds			 Full		 18,400 lb			
Load Radius (ft)	2° Offset		15° Offset		30° Offset		45° Offset	
		360°		360°		360°		360°
55	79.5	4,500						
60	78.5	4,500						
65	77.5	4,500						
70	76.5	4,500	79.5	4,200				
75	75.5	4,500	78.5	3,900				
80	74.0	4,100	77.0	3,700				
85	73.0	3,900	75.5	3,400	79.5	3,000		
90	71.5	3,600	74.5	3,200	78.0	2,800		
95	70.0	3,400	73.0	3,000	77.0	2,600	80.0	2,300
100	69.0	3,200	71.5	2,800	75.5	2,400	78.5	2,200
105	67.5	3,000	70.5	2,600	74.0	2,300	77.5	2,100
110	66.0	2,800	69.0	2,500	72.5	2,200	76.0	1,900
115	64.5	2,600	67.5	2,300	71.5	2,000	74.5	1,800
120	63.0	2,500	66.0	2,200	70.0	1,900	73.0	1,700
125	62.0	2,300	64.5	2,100	68.5	1,800	71.5	1,600
130	60.5	2,200	63.5	1,900	67.0	1,700	70.0	1,500
135	59.0	2,100	61.5	1,800	65.5	1,600	68.0	1,500
140	57.0	2,000	60.0	1,700	63.5	1,500	66.5	1,400
145	55.5	1,800	58.5	1,600	62.0	1,400	64.5	1,300
150	54.0	1,700	57.0	1,500	60.5	1,300	63.0	1,200
155	52.5	1,700	55.5	1,500	58.5	1,300	61.0	1,200
160	50.5	1,600	53.5	1,400	57.0	1,200	59.0	1,100
165	49.0	1,500	51.5	1,300	55.0	1,200	57.0	1,100
170	46.5	1,200	50.0	1,300	53.0	1,100	55.0	1,100
175	44.5	1,000	48.0	1,200	51.0	1,100	52.5	1,000
180			45.5	1,000	49.0	1,100	50.0	1,000
185							47.5	1,000
Min. Bm. Ang./Cap.	43.5		44.5		46.5		46.5	
Radius (ft)	177.5		182.5		185.0		186.7	
Maximum Boom Length At 0° Boom Angle (ft)		97						



Rated Lifting Capacities In Pounds		
 Full		 18,400 lb
Load Radius (ft)	Δ °	360°
30	78.5	15,600
35	77.0	15,600
40	75.0	15,600
45	73.5	15,600
50	71.5	15,600
55	70.0	15,600
60	68.0	15,600
65	65.5	14,900
70	63.0	13,100
75	60.5	11,700
80	57.5	10,400
85	55.0	9,200
90	52.0	8,200
95	49.0	7,300
100	46.0	6,500
105	43.0	5,800
110	39.5	5,100
115	35.5	4,600
120	31.5	4,000
125	26.5	3,600
130	20.5	3,100
135	11.0	2,700
Min.Bm. Ang./Cap.	0.0	1,400
Radius (ft)	136.1	

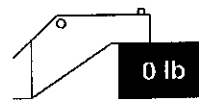
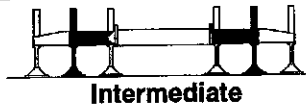
**Rated Lifting Capacities
In Pounds**



Load Radius (ft)	41.0 ft		50.0 ft		60.0 ft		70.0 ft	
	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°
10	70.0	123,700	74.0	89,000	77.0	82,900	79.0	49,800
12	66.5	88,300	71.5	67,100	75.0	58,500	77.5	46,500
15	61.5	50,100	67.5	53,100	72.0	53,000	75.0	42,200
20	53.0	26,500	61.0	28,900	66.5	30,600	70.5	31,700
25	43.0	15,900	53.5	18,300	61.0	19,800	66.0	20,800
30	29.5	10,000	46.0	12,200	55.0	13,800	61.0	14,700
35			36.5	8,300	48.5	9,900	56.0	10,900
40			23.5	5,600	41.5	7,100	50.5	8,100
45					33.0	5,000	45.0	6,000
50					21.5	3,400	38.0	4,400
55							30.5	3,100
60							19.5	2,100
Min.Bm. Ang./Cap.	0.0	6,600	0.0	4,200	0.0	2,600	0.0	1,600
Radius (ft)	34.0		43.0		53.0		63.0	

Load Radius (ft)	80.0 ft		90.0 ft		100.0 ft		110.0 ft	
	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°
12	79.5	42,400						
15	77.5	42,400	79.0	36,700				
20	73.5	32,000	76.0	32,300	77.5	30,700	79.0	29,100
25	69.5	21,100	72.0	21,300	74.5	21,400	76.5	21,100
30	65.0	15,000	68.5	15,200	71.0	15,200	73.0	14,900
35	61.0	11,100	65.0	11,300	68.0	11,400	70.5	11,100
40	56.5	8,400	61.0	8,600	64.5	8,600	67.5	8,400
45	52.0	6,300	57.0	6,600	61.0	6,600	64.5	6,400
50	47.0	4,700	53.0	5,000	57.5	5,100	61.0	4,800
55	41.5	3,500	49.0	3,700	54.0	3,800	58.0	3,600
60	35.5	2,500	44.0	2,700	50.0	2,800	54.5	2,600
65	28.5	1,600	39.0	1,900	46.0	2,000	51.5	1,800
70			33.5	1,100	42.0	1,200	47.5	1,100
Min.Bm. Ang./Cap.	18.5		31.0		39.5		39.5	
Radius (ft)	70.0		71.7		72.5		72.5	

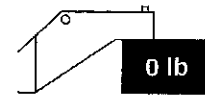
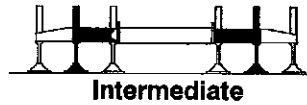
**Rated Lifting Capacities
In Pounds**



Load Radius (ft)	41.0 ft		50.0 ft		60.0 ft	
	Δ°	360°	Δ°	360°	Δ°	360°
10	70.0	123,700	74.0	89,000	77.0	77,000
12	66.5	88,300	71.5	87,100	75.0	72,200
15	61.5	50,100	67.5	53,100	72.0	54,700
20	53.0	26,500	61.0	28,900	66.5	30,200
25	43.0	15,900	53.5	18,300	61.0	19,500
30	29.5	10,000	46.0	12,200	55.0	13,500
35			38.5	8,300	48.5	9,600
40			23.5	5,600	41.5	6,800
45					33.0	4,700
50					21.5	3,200
Min.Bm. Ang./Cap.	0.0	6,600	0.0	4,200	0.0	2,400
Radius (ft)	34.0		43.0		53.0	

Load Radius (ft)	70.0 ft		80.0 ft		90.0 ft		100.0 ft	
	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°
10	79.5	74,000						
12	77.5	74,000	79.5	57,000				
15	75.0	55,500	77.5	51,900	79.5	48,700		
20	70.5	30,800	73.5	31,200	75.5	31,100	77.5	30,800
25	65.5	20,000	69.0	20,400	72.0	20,400	74.0	20,100
30	61.0	14,000	65.0	14,300	68.5	14,300	71.0	14,000
35	56.0	10,200	61.0	10,500	64.5	10,500	67.5	10,300
40	50.5	7,400	56.5	7,800	61.0	7,800	64.5	7,600
45	44.5	5,300	52.0	5,800	57.0	5,800	61.0	5,600
50	38.0	3,800	47.0	4,200	53.0	4,200	57.5	4,100
55	30.5	2,500	41.5	2,900	48.5	3,000	54.0	2,900
60	19.5	1,500	35.5	1,900	44.0	2,000	50.0	1,800
65			28.5	1,100	39.0	1,100	46.0	1,000
Min.Bm. Ang./Cap.	0.0	1,000	25.5		37.5		45.0	
Radius (ft)	63.0		66.4		66.4		66.0	

**Rated Lifting Capacities
In Pounds**



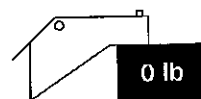
Load Radius (ft)	41.0 ft		50.0 ft		60.0 ft	
	\angle°	360°	\angle°	360°	\angle°	360°
10	70.0	123,700	74.0	89,000	77.0	77,000
12	66.5	88,300	71.5	87,100	75.0	72,200
15	61.5	50,100	67.5	53,100	72.0	54,700
20	53.0	26,500	61.0	28,900	66.5	30,200
25	43.0	15,900	53.5	18,300	61.0	19,500
30	29.5	10,000	46.0	12,200	55.0	13,500
35			38.5	8,300	48.5	9,600
40			23.5	5,600	41.5	6,800
45					33.0	4,700
50					21.5	3,200
Min.Bm. Ang./Cap.	0.0	6,600	0.0	4,200	0.0	2,400
Radius (ft)	34.0		43.0		53.0	

Load Radius (ft)	70.0 ft		80.0 ft		90.0 ft		98.7 ft	
	\angle°	360°	\angle°	360°	\angle°	360°	\angle°	360°
10	79.5	74,400						
12	77.5	74,300	79.5	62,800				
15	75.0	55,400	77.0	55,000	79.5	54,700		
20	70.0	30,700	73.0	30,400	75.5	30,200	77.5	30,000
25	65.5	20,000	69.0	19,700	72.0	19,500	74.0	19,400
30	61.0	13,900	65.0	13,700	68.5	13,500	70.5	13,400
35	56.0	10,100	61.0	9,900	64.5	9,800	67.5	9,600
40	50.5	7,400	56.5	7,200	61.0	7,100	64.0	7,000
45	44.5	5,300	52.0	5,200	57.0	5,100	60.5	5,000
50	38.0	3,700	47.0	3,600	53.0	3,600	57.0	3,500
55	30.5	2,500	41.5	2,400	48.5	2,300	53.5	2,300
60	19.5	1,500	35.5	1,400	44.0	1,300	49.5	1,300
Min.Bm. Ang./Cap.	0.0	900	32.0		42.0		48.0	
Radius (ft)	63.0		62.3		61.8		61.8	

**Fixed Boom Lengths
Rated Lifting Capacities
In Pounds
See Operation Note 10.**



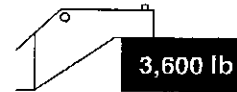
Intermediate



Load Radius (ft)	41.0 ft		47.0 ft	
	Δ°	360°	Δ°	360°
10	70.0	123,700	73.0	110,700
12	66.5	88,300	70.0	91,100
15	61.5	50,100	66.0	52,200
20	53.0	26,500	58.5	28,200
25	43.0	15,900	50.5	17,600
30	29.5	10,000	41.5	11,600
35			30.5	7,700
Min.Bm. Ang./Cap.	0.0	6,600	0.0	4,900
Radius (ft)	34.0		40.0	

Load Radius (ft)	61.3 ft		76.0 ft	
	Δ°	360°	Δ°	360°
10	77.5	105,900		
12	75.5	93,600	79.0	81,000
15	72.0	54,100	76.5	53,800
20	67.0	29,700	72.0	29,500
25	61.5	19,100	68.0	18,900
30	56.0	13,100	63.5	12,900
35	49.5	9,200	59.0	9,200
40	43.0	6,400	54.5	6,500
45	35.0	4,400	49.5	4,500
50	24.5	2,800	44.0	2,900
55			38.0	1,700
Min.Bm. Ang./Cap.	0.0	1,700	33.5	
Radius (ft)	54.3		58.0	

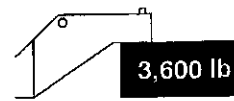
**Rated Lifting Capacities
In Pounds**



Load Radius (ft)	41.0 ft		50.0 ft		60.0 ft		70.0 ft		80.0 ft	
	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°
10	70.0	126,500	74.0	89,000	77.0	62,900	79.0	49,800		
12	66.5	100,200	71.5	87,100	75.0	58,500	77.5	46,500	79.5	42,400
15	61.5	57,400	67.5	60,400	72.0	53,000	75.0	42,200	77.5	42,400
20	53.0	31,000	61.0	33,300	66.5	35,000	70.5	36,100	73.5	36,500
25	43.0	19,100	54.0	21,500	61.0	23,000	66.0	24,000	69.5	24,300
30	29.5	12,400	46.0	14,700	55.0	16,300	61.0	17,200	65.5	17,500
35			36.5	10,300	48.5	11,900	56.0	12,800	61.0	13,100
40			23.5	7,300	41.5	8,800	50.5	9,800	56.5	10,100
45					33.0	6,500	45.0	7,500	52.0	7,800
50					21.5	4,800	38.5	5,700	47.0	6,100
55							30.5	4,300	41.5	4,700
60							19.5	3,200	35.5	3,500
65									28.5	2,600
70									18.5	1,800
Min.Bm. Ang./Cap.	0.0	8,600	0.0	5,800	0.0	3,900	0.0	2,600	0.0	1,400
Radius (ft)	34.0		43.0		53.0		63.0		73.0	

Load Radius (ft)	90.0 ft		100.0 ft		110.0 ft		120.0 ft	
	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°
15	79.0	36,700						
20	76.0	36,700	77.5	30,700	79.0	29,100		
25	72.5	24,500	74.5	24,600	76.5	24,200	78.0	24,000
30	68.5	17,700	71.5	17,700	73.5	17,400	75.5	17,100
35	65.0	13,300	68.0	13,300	70.5	13,000	72.5	12,800
40	61.0	10,300	64.5	10,300	67.5	10,100	70.0	9,900
45	57.5	8,100	61.5	8,100	64.5	7,900	67.0	7,600
50	53.5	6,300	58.0	6,400	61.5	6,100	64.5	5,900
55	49.0	4,900	54.0	5,000	58.0	4,800	61.5	4,600
60	44.5	3,800	50.5	3,900	55.0	3,700	58.5	3,500
65	39.5	2,800	46.5	2,900	51.5	2,700	55.5	2,600
70	33.5	2,100	42.0	2,100	48.0	2,000	52.5	1,800
75	26.5	1,400	37.0	1,500	44.0	1,300	49.0	1,100
Min.Bm. Ang./Cap.	19.0		32.0		41.5		51.5	
Radius (ft)	79.2		80.0		78.3		76.0	

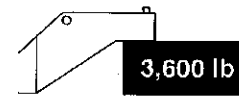
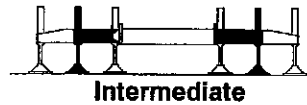
Rated Lifting Capacities in Pounds



Load Radius (ft)	41.0 ft		50.0 ft		60.0 ft		70.0 ft	
	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°
10	70.0	125,500	74.0	89,000	77.0	77,000	79.5	74,000
12	66.5	100,200	71.5	87,100	75.0	72,200	77.5	74,000
15	61.5	57,400	67.5	60,400	72.0	62,100	75.0	62,800
20	53.0	31,000	61.0	33,300	66.5	34,600	70.5	35,200
25	43.0	19,100	54.0	21,500	61.0	22,700	65.5	23,200
30	29.5	12,400	46.0	14,700	55.0	16,000	61.0	16,500
35			36.5	10,300	48.5	11,600	56.0	12,200
40			23.5	7,300	41.5	8,500	50.5	9,100
45					33.0	6,200	44.5	6,800
50					21.5	4,500	38.0	5,100
55							30.5	3,700
60							19.5	2,600
Min.Bm. Ang./Cap.	0.0	8,800	0.0	5,800	0.0	3,600	0.0	2,000
Radius (ft)	34.0		43.0		53.0		63.0	

Load Radius (ft)	80.0 ft		90.0 ft		100.0 ft		113.1 ft	
	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°
12	79.5	57,000						
15	77.5	51,900	79.5	48,700				
20	73.5	35,700	76.0	35,600	78.0	35,300		
25	69.5	23,600	72.0	23,500	74.5	23,300	77.0	23,000
30	65.0	16,800	68.5	16,700	71.0	16,500	74.0	16,300
35	61.0	12,600	65.0	12,500	68.0	12,300	71.0	12,100
40	56.5	9,500	61.0	9,500	64.5	9,300	68.0	9,100
45	52.0	7,300	57.0	7,300	61.0	7,100	65.5	6,900
50	47.0	5,500	53.0	5,500	57.5	5,400	62.5	5,200
55	41.5	4,100	49.0	4,200	54.0	4,000	59.0	3,900
60	35.5	3,000	44.0	3,000	50.5	2,900	56.0	2,800
65	28.5	2,100	39.0	2,100	46.0	2,000	53.0	1,900
70	18.5	1,300	33.5	1,300	42.0	1,200	49.5	1,100
Min.Bm. Ang./Cap.	0.0	900	29.0		40.0		48.5	
Radius (ft)	73.0		73.3		72.1		71.4	

**Rated Lifting Capacities
In Pounds**



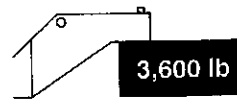
Load Radius (ft)	41.0 ft		50.0 ft		60.0 ft		70.0 ft	
	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°
10	70.0	126,500	74.0	89,000	77.0	77,000	79.5	74,400
12	66.5	100,200	71.5	87,100	75.0	72,200	77.5	74,300
15	61.5	57,400	67.5	60,400	72.0	62,100	75.0	62,800
20	53.0	31,000	61.0	33,300	66.5	34,600	70.5	35,200
25	43.0	19,100	54.0	21,500	61.0	22,700	65.5	23,200
30	29.5	12,400	46.0	14,700	55.0	16,000	61.0	16,400
35			36.5	10,300	48.5	11,600	56.0	12,200
40			23.5	7,300	41.5	8,500	50.5	9,100
45					33.0	6,200	44.5	6,800
50					21.5	4,500	38.0	5,000
55							30.5	3,700
60							19.5	2,500
Min.Bm. Ang./Cap.	0.0	8,800	0.0	5,800	0.0	3,600	0.0	1,900
Radius (ft)	34.0		43.0		53.0		63.0	

Load Radius (ft)	80.0 ft		90.0 ft		98.7 ft	
	Δ°	360°	Δ°	360°	Δ°	360°
12	79.5	62,800				
15	77.5	62,400	79.5	61,400		
20	73.0	34,900	75.5	34,700	77.5	34,500
25	69.0	22,900	72.0	22,700	74.0	22,600
30	65.0	16,200	68.5	16,000	71.0	15,900
35	61.0	12,000	64.5	11,800	67.5	11,700
40	56.5	9,000	61.0	8,800	64.0	8,700
45	52.0	6,700	57.0	6,600	60.5	6,500
50	47.0	5,000	53.0	4,900	57.0	4,800
55	41.5	3,600	49.0	3,500	53.5	3,500
60	35.5	2,500	44.0	2,400	49.5	2,400
65	28.5	1,500	39.0	1,500	45.5	1,400
Min.Bm. Ang./Cap.	19.5		35.0		42.5	
Radius (ft)	69.3		68.8		68.6	

**Fixed Boom Lengths
Rated Lifting Capacities
In Pounds
See Operation Note 10.**



Intermediate



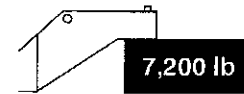
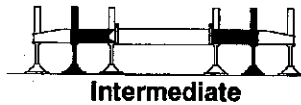
3,600 lb



Load Radius (ft)	41.0 ft		47.0 ft	
	Δ°	360°	Δ°	360°
10	70.0	126,500	73.0	110,700
12	66.5	100,200	70.0	103,000
15	61.5	57,400	66.0	59,500
20	53.0	31,000	58.5	32,600
25	43.0	19,100	50.5	20,800
30	29.5	12,400	41.5	14,000
35			30.5	9,700
Min.Bm. Ang./Cap.	0.0	8,800	0.0	6,600
Radius (ft)	34.0		40.0	

Load Radius (ft)	61.3 ft		76.0 ft	
	Δ°	360°	Δ°	360°
10	77.5	106,900	79.0	81,000
12	75.5	105,600		61,100
15	72.5	61,400		33,900
20	67.0	34,100	72.0	22,100
25	61.5	22,300	68.0	15,400
30	56.0	15,600	63.5	11,200
35	49.5	11,300	59.0	8,200
40	43.0	8,200	54.5	6,000
45	35.0	5,900	49.5	4,200
50	24.5	4,200	44.0	2,900
55			38.0	1,800
60			30.5	
Min.Bm. Ang./Cap.	0.0	2,900	22.5	
Radius (ft)	54.3		64.6	

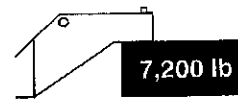
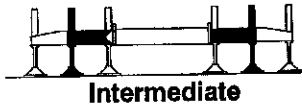
**Rated Lifting Capacities
In Pounds**



Load Radius (ft)	41.0 ft		50.0 ft		60.0 ft		70.0 ft		80.0 ft	
	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°
10	70.0	129,200	74.0	89,000	77.0	62,900	79.0	49,800		
12	66.5	109,800	71.5	87,100	75.0	58,500	77.5	46,500	79.5	42,400
15	62.0	64,700	67.5	67,700	72.0	53,000	75.0	42,200	77.5	42,400
20	53.0	35,400	61.0	37,800	66.5	39,400	70.5	36,400	73.5	37,900
25	43.0	22,300	54.0	24,700	61.0	26,200	66.0	27,100	69.5	27,400
30	29.5	14,900	46.0	17,200	55.0	18,800	61.0	19,700	65.5	19,900
35			38.5	12,400	48.5	13,900	58.0	14,900	61.0	15,100
40			23.5	9,000	41.5	10,500	51.0	11,500	57.0	11,800
45					33.0	8,000	45.0	9,000	52.0	9,300
50					21.5	6,100	38.5	7,000	47.5	7,400
55							30.5	5,500	42.0	5,800
60							19.5	4,300	35.5	4,600
65									28.5	3,600
70									18.5	2,700
Min.Bm. Ang./Cap.	0.0	10,900	0.0	7,400	0.0	5,100	0.0	3,600	0.0	2,300
Radius (ft)	34.0		43.0		53.0		63.0		73.0	

Load Radius (ft)	90.0 ft		100.0 ft		110.0 ft		120.0 ft		127.0 ft	
	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°
15	79.0	86,700								
20	76.0	36,700	77.5	30,700	79.0	29,100				
25	72.5	27,600	75.0	27,600	77.0	27,300	78.5	25,500	79.0	22,600
30	69.0	20,100	71.5	20,200	73.5	19,900	75.5	19,600	77.0	19,500
35	65.0	15,300	68.0	15,300	70.5	15,000	73.0	14,800	74.0	14,700
40	61.5	12,000	65.0	12,100	67.5	11,800	70.0	11,600	71.5	11,500
45	57.5	9,600	61.5	9,600	64.5	9,300	67.5	9,100	69.0	9,000
50	53.5	7,600	58.0	7,700	61.5	7,500	64.5	7,300	66.5	7,100
55	49.0	6,100	54.5	6,200	58.5	6,000	61.5	5,800	63.5	5,600
60	44.5	4,900	50.5	4,900	55.0	4,800	58.5	4,600	61.0	4,400
65	39.5	3,800	46.5	3,900	51.5	3,700	55.5	3,600	58.0	3,400
70	33.5	3,000	42.0	3,000	48.0	2,900	52.5	2,700	55.5	2,600
75	27.0	2,200	37.5	2,300	44.0	2,100	49.5	2,000	52.5	1,900
80	17.5	1,600	32.0	1,700	40.0	1,500	46.0	1,300	49.0	1,200
85			25.5	1,100						
Min.Bm. Ang./Cap.	0.0	1,300	22.0		35.5		43.0		47.0	
Radius (ft)	83.0		87.0		85.0		84.0		83.0	

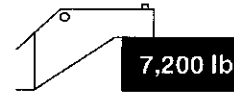
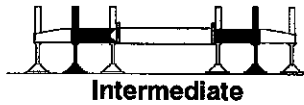
**Rated Lifting Capacities
In Pounds**



Load Radius (ft)	41.0 ft		50.0 ft		60.0 ft		70.0 ft	
	\angle °	360°	\angle °	360°	\angle °	360°	\angle °	360°
10	70.0	129,200	74.0	89,000	77.0	74,000	79.5	74,000
12	66.5	109,600	71.5	87,100	75.0	72,200	77.5	74,000
15	62.0	84,700	67.5	67,700	72.0	68,000	75.0	68,500
20	53.0	35,400	61.0	37,800	66.5	39,000	70.5	39,600
25	43.0	22,300	54.0	24,700	61.0	25,800	66.0	26,300
30	29.5	14,900	46.0	17,200	55.0	18,500	61.0	18,900
35			36.5	12,400	48.5	13,600	56.0	14,200
40			23.5	9,000	41.5	10,200	50.5	10,900
45					33.0	7,700	44.5	8,300
50					21.5	5,800	38.0	6,400
55							30.5	4,900
60							19.5	3,700
Min.Bm. Ang./Cap.	0.0	10,900	0.0	7,400	0.0	4,800	0.0	3,000
Radius (ft)	34.0		43.0		53.0		63.0	

Load Radius (ft)	80.0 ft		90.0 ft		100.0 ft		113.1 ft	
	\angle °	360°	\angle °	360°	\angle °	360°	\angle °	360°
12	79.5	57,000						
15	77.5	51,900	79.5	48,700				
20	73.5	40,000	76.0	39,900	78.0	39,600		
25	69.5	26,700	72.0	26,600	74.5	26,400	77.5	26,100
30	65.5	19,300	68.5	19,200	71.5	19,000	74.0	18,800
35	61.0	14,500	65.0	14,400	68.0	14,200	71.5	14,000
40	56.5	11,300	61.0	11,200	64.5	11,000	68.5	10,800
45	52.0	8,800	57.5	8,800	61.5	8,600	65.5	8,400
50	47.0	6,800	53.0	6,900	58.0	6,700	62.5	6,500
55	41.5	5,300	49.0	5,300	54.0	5,200	59.5	5,000
60	35.5	4,100	44.5	4,100	50.5	4,000	56.0	3,900
65	28.5	3,000	39.5	3,100	46.5	3,000	53.0	2,800
70	18.5	2,200	33.5	2,200	42.0	2,100	49.5	2,000
75			26.5	1,500	37.0	1,400	46.0	1,300
Min.Bm. Ang./Cap.	0.0	1,700	17.5		33.5		43.5	
Radius (ft)	73.0		80.0		78.6		77.9	

**Rated Lifting Capacities
In Pounds**



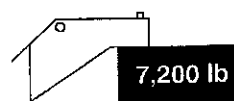
Load Radius (ft)	41.0 ft		50.0 ft		60.0 ft		70.0 ft	
	\angle °	360°	\angle °	360°	\angle °	360°	\angle °	360°
10	70.0	129,200	74.0	89,000	77.0	77,000	79.5	74,400
12	66.5	109,600	71.5	87,100	75.0	72,200	77.5	74,300
15	62.0	64,700	67.5	67,700	72.0	66,000	75.0	68,700
20	53.0	35,400	61.0	37,800	66.5	39,000	70.5	39,500
25	43.0	22,300	54.0	24,700	61.0	25,800	65.5	26,300
30	29.5	14,900	46.0	17,200	55.0	18,500	61.0	18,900
35			36.5	12,400	48.5	13,600	56.0	14,100
40			23.5	9,000	41.5	10,200	50.5	10,800
45					33.0	7,700	44.5	8,300
50					21.5	5,800	38.0	6,400
55							30.5	4,800
60							19.5	3,600
Min.Bm. Ang./Cap.	0.0	10,900	0.0	7,400	0.0	4,800	0.0	3,000
Radius (ft)	34.0		43.0		53.0		63.0	

Load Radius (ft)	80.0 ft		90.0 ft		98.7 ft	
	\angle °	360°	\angle °	360°	\angle °	360°
12	79.5	62,800				
15	77.5	62,800	79.5	61,400		
20	73.5	39,200	76.0	39,000	77.5	38,800
25	69.0	26,000	72.0	25,800	74.5	25,700
30	65.0	18,700	68.5	18,500	71.0	18,400
35	61.0	13,900	65.0	13,700	67.5	13,600
40	56.5	10,700	61.0	10,500	64.5	10,400
45	52.0	8,200	57.0	8,100	61.0	8,000
50	47.0	6,300	53.0	6,200	57.5	6,200
55	41.5	4,800	49.0	4,700	53.5	4,700
60	35.5	3,500	44.5	3,500	49.5	3,400
65	28.5	2,500	39.0	2,500	45.5	2,400
70	18.0	1,700	33.5	1,600	41.0	1,600
Min.Bm. Ang./Cap.	0.0	1,200	26.5		37.0	
Radius (ft)	73.0		75.0		74.2	

**Fixed Boom Lengths
Rated Lifting Capacities
In Pounds
See Operation Note 10.**



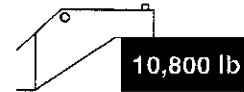
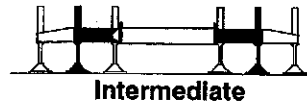
Intermediate



Load Radius (ft)	41.0 ft		47.0 ft	
	Δ°	360°	Δ°	360°
10	70.0	129,200	73.0	110,700
12	66.5	109,600	70.0	105,000
15	62.0	64,700	66.0	66,800
20	53.0	35,400	58.5	37,100
25	43.0	22,300	51.0	24,000
30	29.5	14,900	41.5	16,500
35			30.5	11,700
Min.Bm. Ang./Cap.	0.0	10,900	0.0	8,300
Radius (ft)	34.0		40.0	

Load Radius (ft)	61.3 ft		76.0 ft	
	Δ°	360°	Δ°	360°
10	77.5	106,900		
12	75.5	106,900	79.0	81,000
15	72.5	68,700	76.5	68,300
20	67.0	38,500	72.0	38,300
25	61.5	25,400	68.0	25,300
30	56.0	18,000	63.5	17,900
35	49.5	13,200	59.0	13,200
40	43.0	9,900	54.5	10,000
45	35.0	7,400	49.5	7,500
50	24.5	5,500	44.0	5,600
55			38.0	4,100
60			31.0	2,800
65			21.5	1,800
Min.Bm. Ang./Cap.	0.0	4,100	0.0	1,100
Radius (ft)	54.3		69.0	

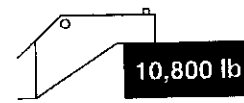
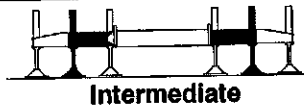
Rated Lifting Capacities In Pounds



Load Radius (ft)	41.0 ft		50.0 ft		60.0 ft		70.0 ft		80.0 ft	
	\angle °	360°	\angle °	360°	\angle °	360°	\angle °	360°	\angle °	360°
10	70.0	132,000	74.0	89,000	77.0	62,900	79.0	49,500		
12	66.5	113,100	71.5	87,100	75.0	58,500	77.5	46,500	79.5	42,400
15	62.0	72,000	68.0	75,000	72.0	53,000	75.0	42,200	77.5	42,400
20	53.0	39,800	61.0	42,200	67.0	43,800	70.5	36,400	73.5	37,900
25	43.0	25,500	54.0	27,800	61.0	29,400	66.0	30,300	70.0	30,600
30	29.5	17,400	46.0	19,700	55.0	21,300	61.5	22,200	65.5	22,400
35			36.5	14,400	49.0	15,900	56.5	16,900	61.5	17,200
40			23.5	10,700	41.5	12,300	51.0	13,200	57.0	13,500
45					33.0	9,500	45.0	10,500	52.5	10,800
50					21.5	7,400	38.5	8,400	47.5	8,700
55							30.5	6,700	42.0	7,000
60							20.0	5,300	36.0	5,700
65									28.5	4,600
70									18.5	3,600
Min.Bm. Ang./Cap.	0.0	13,000	0.0	9,000	0.0	6,400	0.0	4,600	0.0	3,100
Radius (ft)	34.0		43.0		53.0		63.0		73.0	

Load Radius (ft)	90.0 ft		100.0 ft		110.0 ft		120.0 ft		127.0 ft	
	\angle °	360°	\angle °	360°	\angle °	360°	\angle °	360°	\angle °	360°
15	79.0	36,700								
20	76.0	65,700	77.5	30,700	79.0	29,100				
25	72.5	30,800	75.0	30,700	77.0	29,100	78.5	25,500	79.0	22,600
30	69.0	22,600	71.5	22,700	74.0	22,400	76.0	22,100	77.0	22,000
35	65.5	17,300	68.5	17,400	71.0	17,100	73.0	16,800	74.5	16,700
40	61.5	13,700	65.0	13,700	68.0	13,400	70.0	13,200	71.5	13,000
45	57.5	11,100	61.5	11,100	65.0	10,800	67.5	10,600	69.0	10,500
50	53.5	9,000	58.0	9,000	61.5	8,800	64.5	8,600	66.5	8,500
55	49.0	7,300	54.5	7,400	58.5	7,200	62.0	7,000	64.0	6,800
60	44.5	5,900	50.5	6,000	55.0	5,800	59.0	5,600	61.0	5,500
65	39.5	4,800	46.5	4,900	51.5	4,700	56.0	4,500	58.5	4,400
70	33.5	3,900	42.0	3,900	48.0	3,800	53.0	3,600	55.5	3,500
75	27.0	3,000	37.5	3,100	44.5	3,000	49.5	2,800	52.5	2,700
80	17.5	2,400	32.0	2,400	40.0	2,300	46.0	2,100	49.5	2,000
85			25.5	1,800	35.5	1,700	42.5	1,500	46.0	1,400
90			16.5	1,300	30.5	1,100	38.5	1,000		
Min.Bm. Ang./Cap.	0.0	2,000	0.0	1,000	27.5		37.5		42.5	
Radius (ft)	83.0		93.0		92.5		91.0		90.0	

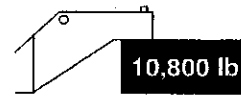
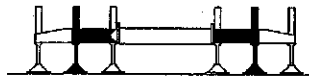
Rated Lifting Capacities In Pounds



Load Radius (ft)	41.0 ft		50.0 ft		60.0 ft		70.0 ft	
	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°
10	70.0	132,000	74.0	89,000	77.0	77,000	79.5	74,000
12	66.5	113,100	71.5	87,100	75.0	72,200	77.5	74,000
15	62.0	72,000	68.0	75,000	72.0	68,000	75.0	68,500
20	53.0	39,800	61.0	42,200	66.5	43,500	70.5	44,000
25	43.0	25,500	54.0	27,800	61.0	29,000	66.0	29,500
30	29.5	17,400	46.0	19,700	55.0	20,900	61.0	21,400
35			36.5	14,400	48.5	15,600	56.0	16,200
40			23.5	10,700	41.5	12,000	50.5	12,600
45					33.0	9,200	45.0	9,800
50					21.5	7,100	38.0	7,700
55							30.5	6,100
60							19.5	4,700
Min.Bm. Ang./Cap.	0.0	13,000	0.0	9,000	0.0	6,100	0.0	4,000
Radius (ft)	34.0		43.0		53.0		63.0	

Load Radius (ft)	80.0 ft		90.0 ft		100.0 ft		113.1 ft	
	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°
12	79.5	57,000						
15	77.5	51,900	79.5	48,700				
20	73.5	44,500	76.0	42,800	78.5	42,500		
25	69.5	29,900	72.5	29,800	75.0	29,600	77.5	29,300
30	65.5	21,800	68.5	21,700	71.5	21,500	74.5	21,300
35	61.0	16,500	65.0	16,500	68.0	16,300	71.5	16,000
40	57.0	12,900	61.5	12,800	65.0	12,700	68.5	12,500
45	52.0	10,300	57.5	10,300	61.5	10,100	65.5	9,900
50	47.0	8,200	53.5	8,200	58.0	8,000	62.5	7,800
55	42.0	6,500	49.0	6,500	54.5	6,400	59.5	6,200
60	35.5	5,100	44.5	5,200	50.5	5,100	56.5	4,900
65	28.5	4,000	39.5	4,100	46.5	3,900	53.0	3,800
70	18.5	3,100	33.5	3,100	42.0	3,000	49.5	2,900
75			27.0	2,300	37.5	2,200	46.0	2,100
80			17.5	1,600	32.0	1,500	42.0	1,400
Min.Bm. Ang./Cap.	0.0	2,600	0.0	1,300	25.5		38.5	
Radius (ft)	73.0		83.0		85.0		84.2	

**Rated Lifting Capacities
In Pounds**



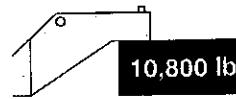
Load Radius (ft)	41.0 ft		50.0 ft		60.0 ft		70.0 ft	
	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°
10	70.0	132,000	74.0	89,000	77.0	77,000	79.5	74,400
12	66.5	113,100	71.5	87,100	75.0	72,200	77.5	74,300
15	62.0	72,000	68.0	75,000	72.0	66,000	75.0	68,700
20	53.0	39,800	61.0	42,200	66.5	43,500	70.5	44,000
25	43.0	25,500	54.0	27,800	61.0	29,000	66.0	29,500
30	29.5	17,400	46.0	19,700	55.0	20,900	61.0	21,400
35			36.5	14,400	48.5	15,600	56.0	16,200
40			23.5	10,700	41.5	12,000	50.5	12,500
45					33.0	9,200	45.0	9,800
50					21.5	7,100	38.0	7,700
55							30.5	6,000
60							19.5	4,700
Min.Bm. Ang./Cap.	0.0	13,000	0.0	9,000	0.0	6,100	0.0	4,000
Radius (ft)	33.9		43.0		53.0		63.0	

Load Radius (ft)	80.0 ft		90.0 ft		98.7 ft	
	Δ°	360°	Δ°	360°	Δ°	360°
12	79.5	62,800				
15	77.5	62,800	79.5	61,400		
20	73.5	43,700	76.0	43,400	78.0	43,300
25	69.5	29,200	72.5	29,000	74.5	28,900
30	65.0	21,200	68.5	21,000	71.0	20,800
35	61.0	15,900	65.0	15,800	67.5	15,700
40	56.5	12,400	61.0	12,300	64.5	12,200
45	52.0	9,700	57.5	9,600	61.0	9,500
50	47.0	7,600	53.5	7,600	57.5	7,500
55	41.5	6,000	49.0	5,900	53.5	5,800
60	35.5	4,600	44.5	4,600	50.0	4,500
65	28.5	3,500	39.5	3,400	45.5	3,400
70	18.5	2,600	33.5	2,500	41.0	2,500
75			26.5	1,700	36.5	1,700
80			17.5	1,000	30.5	1,000
Min.Bm. Ang./Cap.	0.0	2,100	12.0		29.0	
Radius (ft)	73.0		81.0		81.0	

**Fixed Boom Lengths
Rated Lifting Capacities
In Pounds
See Operation Note 10.**



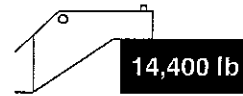
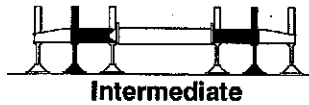
Intermediate



Load Radius (ft)	41.0 ft		47.0 ft	
	Δ°	360°	Δ°	360°
10	70.0	132,000	73.0	110,700
12	66.5	113,100	70.0	105,000
15	62.0	72,000	66.0	74,100
20	53.0	39,800	58.5	41,500
25	43.0	25,500	51.0	27,200
30	29.5	17,400	41.5	19,000
35			30.5	13,700
Min.Bm. Ang./Cap.	0.0	13,000	0.0	10,100
Radius (ft)	34.0		40.0	

Load Radius (ft)	61.3 ft		76.0 ft	
	Δ°	360°	Δ°	360°
10	77.5	108,900		
12	75.5	108,900	79.0	81,000
15	72.5	76,000	77.0	75,700
20	67.0	42,900	72.5	42,700
25	61.5	28,600	68.0	28,400
30	56.0	20,500	63.5	20,400
35	49.5	15,300	59.0	15,200
40	43.0	11,600	54.5	11,700
45	35.0	8,900	49.5	9,000
50	24.5	6,800	44.0	6,900
55			38.0	5,200
60			31.0	3,900
65			21.5	2,800
Min.Bm. Ang./Cap.	0.0	5,400	0.0	2,000
Radius (ft)	54.3		69.0	

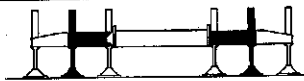
**Rated Lifting Capacities
In Pounds**



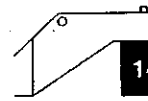
Load Radius (ft)	41.0 ft		50.0 ft		60.0 ft		70.0 ft		80.0 ft	
	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°
10	70.0	134,800	74.0	89,000	77.0	62,900	79.0	49,800		
12	67.0	116,600	71.5	87,100	75.0	58,500	77.5	46,500	79.5	42,400
15	62.0	79,300	68.0	80,000	72.0	53,000	75.0	42,200	77.5	42,400
20	53.0	44,300	61.0	46,600	67.0	45,700	70.5	36,400	73.5	37,900
25	43.0	28,600	54.0	31,000	61.0	32,500	66.0	31,900	70.0	33,800
30	29.5	19,900	46.0	22,100	55.5	23,800	61.5	24,700	65.5	24,900
35			36.5	16,400	49.0	18,000	56.5	18,900	61.5	19,200
40			23.5	12,500	41.5	13,900	51.0	14,900	57.0	15,200
45					33.0	11,000	45.0	12,000	52.5	12,300
50					21.5	8,700	38.5	9,700	47.5	10,000
55							30.5	7,900	42.0	8,200
60							20.0	6,400	36.0	6,700
65									28.5	5,500
70									18.5	4,500
Min.Bm. Ang./Cap.	0.0	15,100	0.0	10,500	0.0	7,600	0.0	5,700	0.0	4,000
Radius (ft)	34.0		43.0		53.0		63.0		73.0	

Load Radius (ft)	90.0 ft		100.0 ft		110.0 ft		120.0 ft		127.0 ft	
	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°
15	79.0	38,700								
20	76.0	36,700	77.5	30,700	79.0	29,100				
25	73.0	34,000	75.0	30,700	77.0	29,100	78.5	25,500	79.0	22,800
30	69.0	25,100	72.0	25,200	74.0	24,900	76.0	24,600	77.0	22,600
35	65.5	19,400	68.5	19,400	71.0	19,100	73.5	18,900	74.5	18,700
40	61.5	15,400	65.0	15,400	68.0	15,200	70.5	14,900	72.0	14,800
45	57.5	12,600	61.5	12,600	65.0	12,300	67.5	12,100	69.5	12,000
50	53.5	10,300	58.0	10,400	62.0	10,100	65.0	9,900	66.5	9,800
55	49.5	8,500	54.5	8,600	58.5	8,300	62.0	8,100	64.0	8,000
60	44.5	7,000	50.5	7,100	55.5	6,900	59.0	6,700	61.5	6,600
65	39.5	5,800	46.5	5,900	52.0	5,700	56.0	5,500	58.5	5,400
70	34.0	4,800	42.5	4,800	48.5	4,700	53.0	4,500	55.5	4,400
75	27.0	3,900	37.5	4,000	44.5	3,800	49.5	3,600	52.5	3,500
80	17.5	3,100	32.0	3,200	40.5	3,000	46.0	2,900	49.5	2,800
85			25.5	2,600	36.0	2,400	42.5	2,200	46.5	2,100
90			16.5	2,000	30.5	1,800	38.5	1,700	43.0	1,600
95					24.5	1,300	34.5	1,200	39.0	1,100
Min.Bm. Ang./Cap.	0.0	2,700	0.0	1,700	16.0		31.5		37.5	
Radius (ft)	83.0		93.0		100.0		98.0		97.0	

**Rated Lifting Capacities
In Pounds**



Intermediate



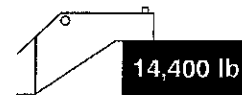
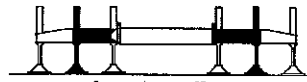
14,400 lb



Load Radius (ft)	41.0 ft		50.0 ft		60.0 ft		70.0 ft	
	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°
10	70.0	134,800	74.0	89,000	77.0	77,000	79.5	74,000
12	67.0	116,600	71.5	87,100	75.0	72,200	77.5	74,000
15	62.0	79,300	68.0	80,000	72.0	66,000	75.0	68,500
20	53.0	44,300	61.0	46,600	66.5	47,900	70.5	48,500
25	43.0	28,600	54.0	31,000	61.0	32,200	66.0	32,700
30	29.5	19,900	46.0	22,100	55.0	23,400	61.0	23,900
35			36.5	16,400	48.5	17,700	56.0	18,300
40			23.5	12,500	41.5	13,600	50.5	14,200
45					33.0	10,700	45.0	11,300
50					21.5	8,500	38.5	9,100
55							30.5	7,300
60							19.5	5,800
Min.Bm. Ang./Cap.	0.0	15,100	0.0	10,500	0.0	7,300	0.0	5,000
Radius (ft)	34.0		43.0		53.0		63.0	

Load Radius (ft)	80.0 ft		90.0 ft		100.0 ft		113.1 ft	
	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°
12	79.5	57,000						
15	77.5	51,900	79.5	48,700				
20	73.5	44,900	76.0	42,800	78.5	42,500		
25	69.5	33,100	72.5	33,000	75.0	32,800	78.0	32,500
30	65.5	24,300	69.0	24,200	71.5	24,000	74.5	23,700
35	61.5	18,600	65.0	18,500	68.5	18,300	71.5	18,100
40	57.0	14,600	61.5	14,600	65.0	14,400	68.5	14,100
45	52.0	11,800	57.5	11,800	61.5	11,600	66.0	11,400
50	47.5	9,500	53.5	9,500	58.0	9,400	63.0	9,200
55	42.0	7,700	49.0	7,700	54.5	7,600	59.5	7,400
60	36.0	6,200	44.5	6,200	50.5	6,100	56.5	6,000
65	28.5	5,000	39.5	5,000	46.5	4,900	53.5	4,800
70	18.5	4,000	33.5	4,000	42.0	3,900	50.0	3,800
75			27.0	3,200	37.5	3,000	46.0	2,900
80			17.5	2,400	32.0	2,300	42.5	2,200
85					25.5	1,700	38.0	1,500
90					16.5	1,100	33.5	1,000
Min.Bm. Ang./Cap.	0.0	3,500	0.0	2,000	6.0		32.5	
Radius (ft)	73.0		83.0		92.0		91.0	

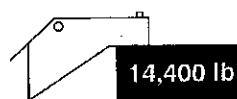
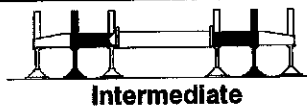
**Rated Lifting Capacities
In Pounds**



Load Radius (ft)	41.0 ft		50.0 ft		60.0 ft		70.0 ft	
	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°
10	70.0	134,800	74.0	89,000	77.0	77,000	79.5	74,400
12	67.0	116,600	71.5	87,100	75.0	72,200	77.5	74,300
15	62.0	79,300	68.0	80,000	72.0	66,000	75.0	68,700
20	53.0	44,300	61.0	46,600	66.5	47,900	70.5	48,400
25	43.0	28,600	54.0	31,000	61.0	32,200	66.0	32,700
30	29.5	19,900	46.0	22,100	55.0	23,400	61.0	23,900
35			36.5	16,400	48.5	17,700	56.0	18,200
40			23.5	12,500	41.5	13,600	50.5	14,200
45					33.0	10,700	45.0	11,300
50					21.5	8,500	38.5	9,000
55							30.5	7,200
60							19.5	5,800
Min.Bm. Ang./Cap.	0.0	15,100	0.0	10,500	0.0	7,300	0.0	5,000
Radius (ft)	34.0		43.0		53.0		63.0	

Load Radius (ft)	80.0 ft		90.0 ft		98.7 ft	
	Δ°	360°	Δ°	360°	Δ°	360°
12	79.5	62,800				
15	77.5	62,800	79.5	61,400		
20	73.5	48,100	76.0	47,900	78.0	47,700
25	69.5	32,400	72.5	32,200	74.5	32,000
30	65.5	23,600	68.5	23,500	71.5	23,300
35	61.0	18,000	65.0	17,800	68.0	17,700
40	56.5	14,100	61.5	13,900	64.5	13,800
45	52.0	11,200	57.5	11,100	61.0	11,000
50	47.0	8,900	53.5	8,900	57.5	8,800
55	42.0	7,100	49.0	7,100	54.0	7,000
60	35.5	5,700	44.5	5,600	50.0	5,600
65	28.5	4,500	39.5	4,400	46.0	4,400
70	18.5	3,500	33.5	3,400	41.5	3,400
75			27.0	2,600	36.5	2,500
80			17.5	1,800	30.5	1,800
85					24.0	1,100
Min.Bm. Ang./Cap.	0.0	2,900	0.0	1,400	20.0	
Radius (ft)	73.0		83.0		87.0	

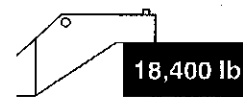
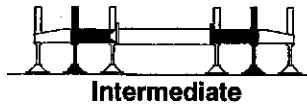
**Fixed Boom Lengths
Rated Lifting Capacities
In Pounds
See Operation Note 10.**



Load Radius (ft)	41.0 ft		47.0 ft	
	Δ°	360°	Δ°	360°
10	70.0	134,800	73.0	110,700
12	67.0	118,600	70.0	105,000
15	62.0	79,300	66.0	81,400
20	53.0	44,300	58.5	45,900
25	43.0	28,600	51.0	30,300
30	29.5	19,900	42.0	21,500
35			30.5	15,800
Min.Bm. Ang./Cap.	0.0	15,100	0.0	11,800
Radius (ft)	34.0		40.0	

Load Radius (ft)	61.3 ft		76.0 ft	
	Δ°	360°	Δ°	360°
10	77.5	106,900	79.0	81,000
12	75.5	106,900		77,400
15	72.5	83,300		
20	67.0	47,400	72.5	47,200
25	61.5	31,800	68.0	31,600
30	56.0	23,000	64.0	22,900
35	50.0	17,300	59.5	17,200
40	43.0	13,300	54.5	13,300
45	35.0	10,400	49.5	10,500
50	24.5	8,100	44.0	8,200
55			38.0	6,400
60			31.0	5,000
65			21.5	3,800
Min.Bm. Ang./Cap.	0.0	6,600	0.0	3,000
Radius (ft)	54.3		69.0	

**Rated Lifting Capacities
In Pounds**



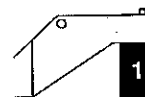
Load Radius (ft)	41.0 ft		50.0 ft		60.0 ft		70.0 ft		80.0 ft	
	\angle °	360°	\angle °	360°	\angle °	360°	\angle °	360°	\angle °	360°
10	70.0	136,200	74.0	89,000	77.0	62,900	79.0	49,800		
12	67.0	120,100	71.5	87,100	75.0	58,500	77.5	46,500	79.5	42,400
15	62.0	87,300	68.0	80,000	72.0	53,000	75.0	42,200	77.5	42,400
20	53.0	49,100	61.0	51,400	67.0	45,700	70.5	36,400	73.5	37,900
25	43.0	32,100	54.0	34,500	61.5	36,000	66.0	31,900	70.0	33,800
30	29.5	22,600	46.0	24,900	55.5	26,400	61.5	27,300	66.0	27,600
35			36.5	18,700	49.0	20,200	56.5	21,200	61.5	21,400
40			23.5	14,300	41.5	15,800	51.0	16,800	57.0	17,100
45					33.0	12,700	45.0	13,600	52.5	13,900
50					21.5	10,200	38.5	11,100	47.5	11,500
55							30.5	9,200	42.0	9,500
60							20.0	7,600	36.0	7,900
65									28.5	6,600
70									18.5	5,500
Min.Bm. Ang./Cap.	0.0	17,400	0.0	12,300	0.0	8,900	0.0	6,800	0.0	4,900
Radius (ft)	34.0		43.0		53.0		63.0		73.0	

Load Radius (ft)	90.0 ft		100.0 ft		110.0 ft		120.0 ft		127.0 ft	
	\angle °	360°	\angle °	360°	\angle °	360°	\angle °	360°	\angle °	360°
15	79.0	36,700								
20	76.0	36,700	77.5	30,700	79.0	29,100				
25	73.0	34,500	75.0	30,700	77.0	29,100	78.5	25,500	79.0	22,600
30	69.5	27,700	72.0	27,800	74.5	27,500	76.5	25,500	77.0	22,600
35	65.5	21,600	68.5	21,600	71.5	21,400	73.5	21,100	75.0	21,000
40	62.0	17,300	65.5	17,300	68.0	17,000	70.5	16,800	72.5	16,700
45	58.0	14,100	62.0	14,100	65.0	13,900	68.0	13,600	69.5	13,500
50	53.5	11,700	58.5	11,800	62.0	11,600	65.0	11,400	67.0	11,200
55	49.5	9,800	54.5	9,900	59.0	9,600	62.0	9,400	64.5	9,300
60	45.0	8,200	51.0	8,300	55.5	8,100	59.5	7,900	61.5	7,800
65	39.5	6,900	47.0	6,900	52.0	6,800	56.5	6,600	58.5	6,500
70	34.0	5,700	42.5	5,800	48.5	5,600	53.0	5,500	56.0	5,400
75	27.0	4,800	37.5	4,900	44.5	4,700	50.0	4,500	53.0	4,500
80	17.5	4,000	32.0	4,100	40.5	3,900	46.5	3,700	50.0	3,600
85			25.5	3,400	36.0	3,200	43.0	3,000	46.5	2,900
90			16.5	2,800	31.0	2,600	39.0	2,400	43.0	2,300
95					24.5	2,000	34.5	1,900	39.5	1,800
100					16.0	1,500	29.5	1,400	35.5	1,300
Min.Bm. Ang./Cap.	0.0	3,600	0.0	2,400	0.0	1,300	23.5		32.0	
Radius (ft)	83.0		93.0		103.0		105.0		104.0	

**Rated Lifting Capacities
In Pounds**



Intermediate



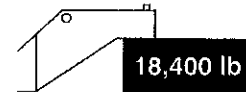
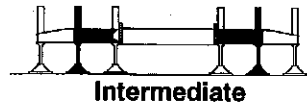
18,400 lb



Load Radius (ft)	41.0 ft		50.0 ft		60.0 ft		70.0 ft	
	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°
10	70.0	136,200	74.0	89,000	77.0	77,000	79.5	74,000
12	67.0	120,100	71.5	87,100	75.0	72,200	77.5	74,000
15	62.0	87,300	68.0	80,000	72.0	66,000	75.0	66,500
20	53.0	49,100	61.0	51,400	66.5	52,700	70.5	53,300
25	43.0	32,100	54.0	34,500	61.0	35,700	66.0	36,200
30	29.5	22,600	46.0	24,900	55.0	26,100	61.0	26,600
35			36.5	18,700	49.0	19,900	56.0	20,500
40			23.5	14,300	41.5	15,500	51.0	16,100
45					33.0	12,400	45.0	12,900
50					21.5	9,900	38.5	10,500
55							30.5	8,600
60							19.5	7,000
Min.Bm. Ang./Cap.	0.0	17,400	0.0	12,300	0.0	8,700	0.0	6,100
Radius (ft)	34.0		43.0		53.0		63.0	

Load Radius (ft)	80.0 ft		90.0 ft		100.0 ft		113.1 ft	
	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°
12	79.5	57,000						
15	77.5	51,900	79.5	48,700				
20	73.5	44,900	76.0	42,800	78.5	42,500		
25	70.0	36,600	72.5	36,500	75.5	36,300	78.0	32,800
30	65.5	26,900	69.0	26,800	72.0	26,600	75.0	26,300
35	61.5	20,800	65.5	20,800	68.5	20,500	72.0	20,300
40	57.0	16,500	61.5	16,500	65.0	16,300	69.0	16,000
45	52.5	13,300	57.5	13,300	61.5	13,100	66.0	12,900
50	47.5	10,900	53.5	11,000	58.0	10,800	63.0	10,600
55	42.0	9,000	49.0	9,000	54.5	8,900	60.0	8,700
60	36.0	7,400	44.5	7,400	50.5	7,300	56.5	7,200
65	28.5	6,100	39.5	6,100	46.5	6,000	53.5	5,900
70	18.5	5,000	34.0	5,000	42.5	4,900	50.0	4,800
75			27.0	4,100	37.5	4,000	46.5	3,800
80			17.5	3,300	32.0	3,200	42.5	3,000
85					25.5	2,500	38.5	2,300
90					16.5	1,800	33.5	1,700
95							28.0	1,200
Min.Bm. Ang./Cap.	0.0	4,400	0.0	2,800	0.0	1,500	24.0	
Radius (ft)	73.0		83.0		93.0		98.0	

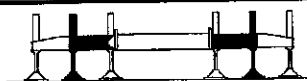
**Rated Lifting Capacities
In Pounds**



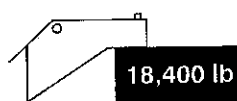
Load Radius (ft)	41.0 ft		50.0 ft		60.0 ft		70.0 ft	
	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°
10	70.0	136,200	74.0	89,000	77.0	77,000	79.5	74,400
12	67.0	120,100	71.5	87,100	75.0	72,200	77.5	74,300
15	62.0	87,300	68.0	80,000	72.0	66,000	75.0	66,700
20	53.0	49,100	61.0	51,400	66.5	52,700	70.5	53,200
25	43.0	32,100	54.0	34,500	61.0	35,700	66.0	36,200
30	29.5	22,600	46.0	24,900	55.0	26,100	61.0	26,500
35			36.5	18,700	49.0	19,900	56.0	20,400
40			23.5	14,300	41.5	15,500	50.5	16,100
45					33.0	12,400	45.0	12,900
50					21.5	9,900	38.5	10,500
55							30.5	8,500
60							19.5	6,900
Min.Bm. Ang./Cap.	0.0	17,400	0.0	12,300	0.0	8,700	0.0	6,100
Radius (ft)	34.0		43.0		53.0		63.0	

Load Radius (ft)	80.0 ft		90.0 ft		98.7 ft	
	Δ°	360°	Δ°	360°	Δ°	360°
12	79.5	62,800				
15	77.5	62,800	79.5	61,400		
20	73.5	52,900	76.5	52,600	78.0	47,900
25	69.5	35,900	72.5	35,700	75.0	35,500
30	65.5	26,300	69.0	26,100	71.5	25,900
35	61.0	20,200	65.0	20,100	68.0	19,900
40	57.0	16,000	61.5	15,800	64.5	15,700
45	52.0	12,800	57.5	12,700	61.0	12,600
50	47.0	10,400	53.5	10,300	57.5	10,200
55	42.0	8,400	49.0	8,400	54.0	8,300
60	35.5	6,900	44.5	6,800	50.0	6,800
65	28.5	5,600	39.5	5,500	46.0	5,500
70	18.5	4,500	33.5	4,400	41.5	4,400
75			27.0	3,500	36.5	3,400
80			17.5	2,700	31.0	2,600
85					24.0	1,900
90					13.5	1,300
Min.Bm. Ang./Cap.	0.0	3,900	0.0	2,200	0.0	1,100
Radius (ft)	73.0		83.0		91.7	

**Fixed Boom Lengths
Rated Lifting Capacities
In Pounds
See Operation Note 10.**



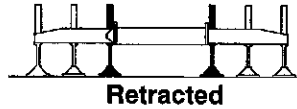
Intermediate



Load Radius (ft)	41.0 ft		47.0 ft	
	Δ°	360°	Δ°	360°
10	70.0	136,200	73.0	110,700
12	67.0	120,100	70.0	105,000
15	62.0	87,300	66.0	89,400
20	53.0	49,100	59.0	50,800
25	43.0	32,100	51.0	33,800
30	29.5	22,600	42.0	24,200
35			30.5	18,000
Min.Bm. Ang./Cap.	0.0	17,400	0.0	13,700
Radius (ft)	34.0		40.0	

Load Radius (ft)	61.3 ft		76.0 ft	
	Δ°	360°	Δ°	360°
10	77.5	106,900		
12	75.5	106,900	79.0	81,000
15	72.5	91,200	77.0	77,400
20	67.0	52,200	72.5	51,900
25	61.5	35,200	68.0	35,000
30	56.0	25,700	64.0	25,600
35	50.0	19,500	59.5	19,500
40	43.0	15,200	54.5	15,200
45	35.0	12,000	49.5	12,100
50	24.5	9,600	44.0	9,700
55			38.0	7,700
60			31.0	6,200
65			21.5	4,900
Min.Bm. Ang./Cap.	0.0	7,900	0.0	4,000
Radius (ft)	54.3		69.0	

**Rated Lifting Capacities
In Pounds**



7,200 lb



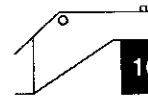
Load Radius (ft)	41.0 ft		50.0 ft		60.0 ft	
	\angle°	360°	\angle°	360°	\angle°	360°
10	69.5	53,400	73.5	56,100	77.0	58,100
12	66.5	37,900	71.0	40,200	75.0	42,000
15	61.5	24,900	67.5	27,100	71.5	28,600
20	53.0	13,800	60.5	15,900	66.5	17,500
25	43.0	7,900	53.5	10,000	60.5	11,500
30	29.5	4,200	45.5	6,200	55.0	7,700
35			36.5	3,700	48.5	5,100
40			23.5	1,800	41.5	3,200
45					33.0	1,800
Min.Bm. Ang./Cap.	0.0	2,100	0.0	900	23.5	
Radius (ft)	34.0		43.0		49.1	

Load Radius (ft)	70.0 ft		80.0 ft		90.0 ft	
	\angle°	360°	\angle°	360°	\angle°	360°
10	79.0	49,800				
12	77.5	43,100	79.5	42,400		
15	74.5	29,700	77.0	29,900	79.0	30,200
20	70.0	18,300	73.0	18,600	75.0	18,800
25	65.5	12,400	69.0	12,700	71.5	12,800
30	61.0	8,600	65.0	9,000	68.0	9,100
35	56.0	6,000	61.0	6,400	64.5	6,600
40	50.5	4,100	56.5	4,500	61.0	4,700
45	44.5	2,700	52.0	3,000	57.0	3,300
50	38.0	1,600	47.0	1,900	53.0	2,100
55			41.5	1,000	48.5	1,200
Min.Bm. Ang./Cap.	32.0		40.5		46.5	
Radius (ft)	53.9		56.0		57.1	

**Rated Lifting Capacities
In Pounds**



Retracted



10,800 lb



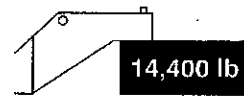
Load Radius (ft)	41.0 ft		50.0 ft		60.0 ft		70.0 ft	
	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°
10	69.5	61,000	74.0	63,700	77.0	62,900	79.0	49,800
12	66.5	43,600	71.0	46,000	75.0	47,700	77.5	46,500
15	61.5	29,100	67.5	31,300	71.5	32,800	75.0	33,800
20	53.0	16,700	61.0	18,800	66.5	20,300	70.5	21,200
25	43.0	10,100	53.5	12,200	61.0	13,600	65.5	14,600
30	29.5	6,000	45.5	8,000	55.0	9,500	61.0	10,400
35			36.5	5,200	48.5	6,600	56.0	7,500
40			23.5	3,100	41.5	4,500	50.5	5,400
45					33.0	3,000	44.5	3,800
50					21.5	1,700	38.0	2,600
55							30.5	1,600
Min.Bm. Ang./Cap.	0.0	3,600	0.0	2,100	0.0	1,100	21.0	
Radius (ft)	34.0		43.0		53.0		59.4	

Load Radius (ft)	80.0 ft		90.0 ft		100.0 ft	
	Δ°	360°	Δ°	360°	Δ°	360°
12	79.5	42,400				
15	77.0	34,100	79.0	34,300		
20	73.0	21,500	75.5	21,700	77.0	21,700
25	69.0	14,800	72.0	15,000	74.0	15,000
30	65.0	10,700	68.5	10,900	71.0	11,000
35	61.0	7,800	64.5	8,100	67.5	8,100
40	56.5	5,800	61.0	6,000	64.5	6,100
45	52.0	4,200	57.0	4,400	61.0	4,500
50	47.0	2,900	53.0	3,200	57.5	3,300
55	41.5	1,900	48.5	2,200	54.0	2,200
60	35.5	1,100	44.0	1,300	50.0	1,400
Min.Bm. Ang./Cap.	33.5		41.0		47.0	
Radius (ft)	61.4		62.9		63.6	

**Rated Lifting Capacities
In Pounds**



Retracted

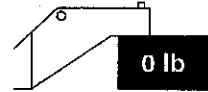


Load Radius (ft)	41.0 ft		50.0 ft		60.0 ft		70.0 ft	
	\angle °	360°	\angle °	360°	\angle °	360°	\angle °	360°
10	69.5	68,500	74.0	71,300	77.0	62,900	79.0	49,800
12	66.5	49,300	71.5	51,600	75.0	53,400	77.5	46,500
15	61.5	33,300	67.5	35,500	72.0	37,000	75.0	38,000
20	53.0	19,600	61.0	21,700	66.5	23,200	70.5	24,100
25	43.0	12,300	53.5	14,300	61.0	15,800	65.5	16,800
30	29.5	7,800	45.5	9,800	55.0	11,200	61.0	12,200
35			36.5	6,700	48.5	8,100	56.0	9,000
40			23.5	4,400	41.5	5,800	50.5	6,700
45					33.0	4,100	44.5	5,000
50					21.5	2,700	38.0	3,600
55							30.5	2,500
60							19.5	1,600
Min. Bm. Ang./Cap.	0.0	5,200	0.0	3,300	0.0	2,000	0.0	1,100
Radius (ft)	34.0		43.0		53.0		63.0	

Load Radius (ft)	80.0 ft		90.0 ft		100.0 ft		110.0 ft	
	\angle °	360°	\angle °	360°	\angle °	360°	\angle °	360°
12	79.5	42,400						
15	77.0	38,300	79.0	36,700				
20	73.0	24,400	75.5	24,600	77.5	24,600	79.0	24,300
25	69.0	17,000	72.0	17,200	74.0	17,200	76.0	16,900
30	65.0	12,500	68.5	12,700	71.0	12,700	73.0	12,500
35	61.0	9,300	64.5	9,600	67.5	9,600	70.0	9,400
40	56.5	7,000	61.0	7,300	64.5	7,400	67.0	7,200
45	52.0	5,300	57.0	5,500	61.0	5,600	64.0	5,400
50	47.0	3,900	53.0	4,200	57.5	4,300	61.0	4,100
55	41.5	2,800	49.0	3,100	54.0	3,200	58.0	3,000
60	35.5	1,900	44.0	2,200	50.0	2,300	54.5	2,100
65	28.5	1,200	39.0	1,400	46.0	1,500	51.5	1,300
Min. Bm. Ang./Cap.	24.0		34.5		42.0		49.0	
Radius (ft)	67.1		69.2		70.0		68.3	

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**Rated Lifting Capacities In Pounds
On Tires – Stationary
Boom Over Rear – Between Tire Tracks**



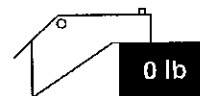
Load Radius (ft)	41.0 ft		50.0 ft		60.0 ft	
	Δ°	Rear	Δ°	Rear	Δ°	Rear
10	69.5	33,800	71.0	31,500	74.5	26,500
12	66.5	30,600		25,400	71.5	26,500
15	61.5	23,500				
20	53.0	14,100	60.5	15,900	66.5	17,200
25	43.0	8,900	53.5	10,600	60.5	11,800
30	29.5	5,500	45.5	7,200	55.0	8,400
35			36.5	4,800	48.5	6,000
40			23.5	3,100	41.5	4,300
45					33.0	2,900
50					21.5	1,900
Min.Bm. Ang./Cap.	0.0	3,500	0.0	2,200	0.0	1,300
Radius (ft)	34.0		43.0		53.0	

Load Radius (ft)	70.0 ft		80.0 ft		90.0 ft	
	Δ°	Rear	Δ°	Rear	Δ°	Rear
15	74.5	20,300	73.0	16,600		
20	70.0	17,900				
25	65.5	12,700		12,800	71.5	13,000
30	61.0	9,200	65.0	9,500	68.0	9,700
35	56.0	6,800	61.0	7,100	64.5	7,300
40	50.5	5,000	56.5	5,300	61.0	5,500
45	44.5	3,700	52.0	3,900	57.0	4,100
50	38.0	2,600	47.0	2,900	53.0	3,100
55	30.5	1,700	41.5	2,000	48.5	2,200
60	19.5	1,000	35.5	1,300	44.0	1,500
Min.Bm. Ang./Cap.	17.5		31.5		39.5	
Radius (ft)	61.0		62.5		64.7	

**Rated Lifting Capacities in Pounds
On Tires – Pick & Carry – 1 mph
Boom Centered Over Rear**



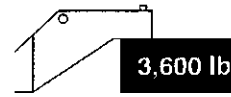
On Tires



Load Radius (ft)	41.0 ft		50.0 ft		60.0 ft	
	Δ°	Rear	Δ°	Rear	Δ°	Rear
10	69.5	23,900	71.0	22,200	74.5	22,900
12	66.5	21,300		19,100	71.5	19,900
15	61.5	18,100		15,100	66.5	15,900
20	53.0	14,000	60.5	10,600	60.5	11,800
25	43.0	8,900	53.5	7,200	55.0	8,400
30	29.5	5,500	45.5	4,800	48.5	6,000
35			36.5	3,100	41.5	4,300
40			23.5		33.0	2,900
45					21.5	1,900
50						
Min.Bm. Ang./Cap.	0.0	3,500	0.0	2,200	0.0	1,300
Radius (ft)	34.0		43.0		53.0	

Load Radius (ft)	70.0 ft		80.0 ft		90.0 ft	
	Δ°	Rear	Δ°	Rear	Δ°	Rear
15	74.5	20,800	73.0	16,600	71.5	13,000
20	70.0	16,400		12,800		9,700
25	65.5	12,700		9,500		7,300
30	61.0	9,200	65.0	7,100	68.0	5,500
35	56.0	6,800	61.0	5,300	64.5	4,100
40	50.5	5,000	56.5	3,900	61.0	3,100
45	44.5	3,700	52.0	2,900	57.0	2,200
50	38.0	2,600	47.0	2,000	53.0	1,500
55	30.5	1,700	41.5	1,300	48.5	
60	19.5	1,000	35.5		44.0	
Min.Bm. Ang./Cap.	17.5		31.5		39.5	
Radius (ft)	61.0		62.7		64.7	

**Rated Lifting Capacities In Pounds
On Tires – Stationary
Boom Over Rear – Between Tire Tracks**



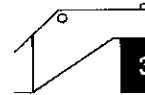
Load Radius (ft)	41.0 ft		50.0 ft		60.0 ft	
	Δ°	Rear	Δ°	Rear	Δ°	Rear
10	69.5	33,600				
12	66.5	30,600	71.0	31,400	74.5	28,200
15	61.5	26,500	67.5	27,500	71.5	28,200
20	53.0	16,400	61.0	18,100	66.5	19,400
25	43.0	10,700	53.5	12,400	61.0	13,500
30	29.5	7,000	45.5	8,600	55.0	9,800
35			36.5	6,100	48.5	7,200
40			23.5	4,100	41.5	5,300
45					33.0	3,800
50					21.5	2,700
Min.Bm. Ang./Cap.	0.0	4,800	0.0	3,200	0.0	2,100
Radius (ft)	34.0		43.0		53.0	

Load Radius (ft)	70.0 ft		80.0 ft		90.0 ft	
	Δ°	Rear	Δ°	Rear	Δ°	Rear
15	74.5	20,300				
20	70.0	20,100	73.0	16,600		
25	65.5	14,300	69.0	14,600	72.0	14,700
30	61.0	10,600	65.0	10,900	68.5	11,100
35	56.0	8,000	61.0	8,300	64.5	8,500
40	50.5	6,100	56.5	6,300	61.0	6,500
45	44.5	4,600	52.0	4,900	57.0	5,100
50	38.0	3,400	47.0	3,700	53.0	3,900
55	30.5	2,500	41.5	2,700	49.0	2,900
60	19.5	1,700	35.5	2,000	44.0	2,200
65			28.5	1,300	39.0	1,500
Min.Bm. Ang./Cap.	0.0	1,300	21.0		33.5	
Radius (ft)	63.0		68.7		70.0	

**Rated Lifting Capacities In Pounds
On Tires – Pick & Carry – 1 mph
Boom Centered Over Rear**



On Tires



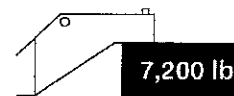
3,600 lb



Load Radius (ft)	41.0 ft		50.0 ft		60.0 ft	
	Δ°	Rear	Δ°	Rear	Δ°	Rear
10	69.5	23,800	71.0 67.5 60.5 53.5 45.5	22,200	74.5	22,900
12	66.5	21,300		19,100	71.5	18,900
15	61.5	18,100		15,100	66.5	15,900
20	53.0	14,000		12,000	61.0	12,800
25	43.0	10,700		8,600	55.0	9,800
30	29.5	7,000	36.5 23.5	6,100	48.5	7,200
35				4,100	41.5	5,300
40					33.0	3,800
45					21.5	2,700
50						
Min.Bm. Ang./Cap.	0.0	4,800	0.0	3,200	0.0	2,100
Radius (ft)	34.0		43.0		53.0	

Load Radius (ft)	70.0 ft		80.0 ft		90.0 ft	
	Δ°	Rear	Δ°	Rear	Δ°	Rear
15	74.5	20,300	73.0 69.0	18,600	71.5	18,700
20	70.0	16,400		13,600		
25	65.5	13,400				
30	61.0	10,600	65.0	10,900	68.5	11,100
35	56.0	8,000	61.0	8,300	64.5	8,500
40	50.5	6,100	56.5	6,300	61.0	6,500
45	44.5	4,600	52.0	4,900	57.0	5,100
50	38.0	3,400	47.0	3,700	53.0	3,900
55	30.5	2,500	41.5	2,700	49.0	2,900
60	19.5	1,700	35.5	2,000	44.0	2,200
65			28.5	1,300	39.0	1,500
Min.Bm. Ang./Cap.	0.0	1,300	21.0		33.5	
Radius (ft)	63.0		68.7		70.0	

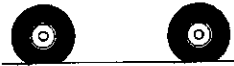
**Rated Lifting Capacities In Pounds
On Tires – Stationary
Boom Over Rear – Between Tire Tracks**



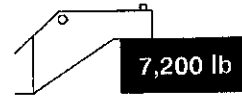
Load Radius (ft)	41.0 ft		50.0 ft		60.0 ft	
	\angle°	Rear	\angle°	Rear	\angle°	Rear
10	69.5	33,700				
12	66.5	30,600	71.0	31,400	74.5	28,200
15	61.5	26,500	67.5	27,500	71.5	28,200
20	53.0	18,600	61.0	20,300	66.5	21,600
25	43.0	12,400	53.5	14,000	61.0	15,300
30	29.5	8,400	45.5	10,100	55.0	11,300
35			36.5	7,300	48.5	8,400
40			23.5	5,200	41.5	6,400
45					33.0	4,800
50					21.5	3,500
Min.Bm. Ang./Cap.	0.0	6,000	0.0	4,100	0.0	2,900
Radius (ft)	34.0		43.0		53.0	

Load Radius (ft)	70.0 ft		80.0 ft		90.0 ft	
	\angle°	Rear	\angle°	Rear	\angle°	Rear
15	74.5	20,300				
20	70.5	20,300	73.0	16,600		
25	65.5	16,100	69.0	16,300	72.0	13,700
30	61.0	12,000	65.0	12,300	68.5	12,500
35	56.0	9,200	61.0	9,500	64.5	9,700
40	50.5	7,100	56.5	7,400	61.0	7,600
45	44.5	5,500	52.0	5,800	57.0	6,000
50	38.0	4,300	47.0	4,500	53.0	4,700
55	30.5	3,200	41.5	3,500	49.0	3,700
60	19.5	2,400	35.5	2,600	44.0	2,800
65			28.5	1,900	39.0	2,100
70			18.5	1,300	33.5	1,500
75					26.5	1,000
Min.Bm. Ang./Cap.	0.0	1,900	0.0	1,000	24.0	
Radius (ft)	63.0		73.0		76.3	

**Rated Lifting Capacities In Pounds
On Tires – Pick & Carry – 1 mph
Boom Centered Over Rear**



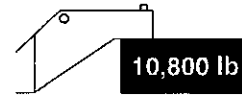
On Tires



Load Radius (ft)	41.0 ft		50.0 ft		60.0 ft	
	Δ°	Rear	Δ°	Rear	Δ°	Rear
10	69.5	23,800				
12	66.5	21,300	71.0	22,200	74.5	22,800
15	61.5	18,100	67.5	19,100	71.5	19,800
20	53.0	14,000	60.5	15,100	66.5	15,900
25	43.0	10,800	53.5	12,000	61.0	12,300
30	29.5	8,300	45.5	9,600	55.0	10,500
35			36.5	7,300	48.5	8,400
40			23.5	5,200	41.5	6,400
45					33.0	4,800
50					21.5	3,500
Min.Bm. Ang./Cap.	0.0	6,000	0.0	4,100	0.0	2,900
Radius (ft)	34.0		43.0		53.0	

Load Radius (ft)	70.0 ft		80.0 ft		90.0 ft	
	Δ°	Rear	Δ°	Rear	Δ°	Rear
15	74.5	20,300				
20	70.0	16,400	73.0	16,600		
25	65.5	13,400	69.0	13,600	71.5	13,700
30	61.0	11,100	65.0	11,300	68.5	11,500
35	56.0	9,200	61.0	9,400	64.5	9,600
40	50.5	7,100	56.5	7,400	61.0	7,600
45	44.5	5,500	52.0	5,800	57.0	6,000
50	38.0	4,300	47.0	4,500	53.0	4,700
55	30.5	3,200	41.5	3,500	49.0	3,700
60	19.5	2,400	35.5	2,600	44.0	2,800
65			28.5	1,900	39.0	2,100
70			18.5	1,300	33.5	1,500
75					26.5	1,000
Min.Bm. Ang./Cap.	0.0	1,900	0.0	1,000	24.0	
Radius (ft)	63.0		73.0		76.3	

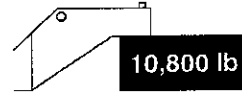
**Rated Lifting Capacities In Pounds
On Tires – Stationary
Boom Over Rear – Between Tire Tracks**



Load Radius (ft)	41.0 ft		50.0 ft		60.0 ft	
	Δ°	Rear	Δ°	Rear	Δ°	Rear
10	69.5	33,700				
12	66.5	30,500	71.0	31,400	74.5	32,000
15	61.5	26,500	67.5	27,500	71.5	28,100
20	53.0	20,800	61.0	22,300	66.5	23,100
25	43.0	14,100	53.5	15,800	61.0	17,000
30	29.5	9,800	46.0	11,500	55.0	12,700
35			36.5	8,500	48.5	9,600
40			23.5	6,200	41.5	7,400
45					33.0	5,700
50					21.5	4,300
Min.Bm. Ang./Cap.	0.0	7,300	0.0	5,100	0.0	3,600
Radius (ft)	34.0		43.0		53.0	

Load Radius (ft)	70.0 ft		80.0 ft		90.0 ft	
	Δ°	Rear	Δ°	Rear	Δ°	Rear
15	74.5	23,600				
20	70.5	23,600	73.0	18,000		
25	65.5	17,800	69.0	18,000	72.0	13,900
30	61.0	13,400	65.0	13,700	68.5	13,900
35	56.0	10,400	61.0	10,700	65.0	10,900
40	50.5	8,200	56.5	8,400	61.0	8,600
45	45.0	6,400	52.0	6,700	57.0	6,900
50	38.0	5,100	47.0	5,300	53.0	5,500
55	30.5	4,000	41.5	4,200	49.0	4,400
60	19.5	3,100	35.5	3,300	44.5	3,500
65			28.5	2,600	39.5	2,800
70			18.5	1,900	33.5	2,100
75					26.5	1,600
80					17.5	1,100
Min.Bm. Ang./Cap.	0.0	2,600	0.0	1,600	6.0	
Radius (ft)	63.0		73.0		82.0	

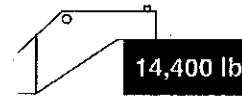
**Rated Lifting Capacities In Pounds
On Tires – Pick & Carry – 1 mph
Boom Centered Over Rear**



Load Radius (ft)	41.0 ft		50.0 ft		60.0 ft	
	Δ°	Rear	Δ°	Rear	Δ°	Rear
10	69.5	23,700				
12	66.5	21,300	71.0	22,200	74.5	22,700
15	61.5	18,100	67.5	19,100	71.5	19,800
20	53.0	14,000	60.5	15,100	66.5	15,900
25	43.0	10,800	53.5	12,000	61.0	12,800
30	29.5	8,300	45.5	9,600	55.0	10,500
35			36.5	7,600	48.5	8,600
40			23.5	5,900	41.5	7,000
45					33.0	5,600
50					21.5	4,300
Min.Bm. Ang./Cap.	0.0	5,500	0.0	5,100	0.0	3,600
Radius (ft)	34.0		43.0		53.0	

Load Radius (ft)	70.0 ft		80.0 ft		90.0 ft	
	Δ°	Rear	Δ°	Rear	Δ°	Rear
15	74.5	20,200				
20	70.0	16,400	73.0	16,500		
25	65.5	13,400	69.0	13,600	71.5	13,700
30	61.0	11,100	65.0	11,300	68.5	11,500
35	56.0	9,200	61.0	9,400	64.5	9,600
40	50.5	7,600	56.5	7,900	61.0	8,100
45	45.0	6,300	52.0	6,600	57.0	6,800
50	38.0	5,100	47.0	5,300	53.0	5,500
55	30.5	4,000	41.5	4,200	49.0	4,400
60	19.5	3,100	35.5	3,300	44.5	3,500
65			28.5	2,600	39.5	2,800
70			18.5	1,900	33.5	2,100
75					26.5	1,600
80					17.5	1,100
Min.Bm. Ang./Cap.	0.0	2,600	0.0	1,600	6.0	
Radius (ft)	63.0		73.0		82.0	

**Rated Lifting Capacities In Pounds
On Tires – Stationary
Boom Over Rear – Between Tire Tracks**



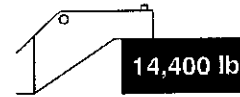
Load Radius (ft)	41.0 ft		50.0 ft		60.0 ft	
	\angle °	Rear	\angle °	Rear	\angle °	Rear
10	69.5	33,700				
12	66.5	30,500	71.0	31,400	74.5	31,900
15	61.5	26,500	67.5	27,400	71.5	28,100
20	53.0	21,200	61.0	22,300	66.5	23,100
25	43.0	15,900	53.5	17,500	61.0	18,800
30	29.5	11,300	46.0	12,900	55.0	14,100
35			36.5	9,700	48.5	10,900
40			23.5	7,300	41.5	8,500
45					33.0	6,600
50					21.5	5,200
Min.Bm. Ang./Cap.	0.0	8,500	0.0	6,100	0.0	4,400
Radius (ft)	34.0		43.0		53.0	

Load Radius (ft)	70.0 ft		80.0 ft		90.0 ft	
	\angle °	Rear	\angle °	Rear	\angle °	Rear
15	74.5	23,600				
20	70.5	23,600	73.0	19,800		
25	66.0	19,600	69.5	19,800	72.0	15,300
30	61.0	14,800	65.0	15,100	68.5	15,300
35	56.0	11,600	61.0	11,900	65.0	12,100
40	50.5	9,200	56.5	9,500	61.0	9,700
45	45.0	7,400	52.0	7,600	57.5	7,800
50	38.5	5,900	47.0	6,200	53.5	6,400
55	30.5	4,700	42.0	5,000	49.0	5,200
60	19.5	3,800	35.5	4,000	44.5	4,200
65			28.5	3,200	39.5	3,400
70			18.5	2,500	33.5	2,700
75					27.0	2,100
80					17.5	1,600
Min.Bm. Ang./Cap.	0.0	3,300	0.0	2,100	0.0	1,300
Radius (ft)	63.0		73.0		83.0	

**Rated Lifting Capacities In Pounds
On Tires – Pick & Carry – 1 mph
Boom Centered Over Rear**



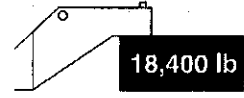
On Tires



Load Radius (ft)	41.0 ft		50.0 ft		60.0 ft	
	\angle°	Rear	\angle°	Rear	\angle°	Rear
10	69.5	23,500				
12	66.5	21,200	71.0	22,000	74.5	22,400
15	61.5	18,100	67.5	19,100	71.5	19,700
20	53.0	14,000	60.5	15,100	66.5	15,900
25	43.0	10,800	53.5	12,000	61.0	12,800
30	29.5	8,300	45.5	9,600	55.0	10,500
35			36.5	7,600	48.5	8,600
40			23.5	5,900	41.5	7,000
45					33.0	5,600
50					21.5	4,500
Min.Bm. Ang./Cap.	0.0	6,500	0.0	6,100	0.0	5,900
Radius (ft)	34.0		43.0		53.0	

Load Radius (ft)	70.0 ft		80.0 ft		90.0 ft	
	\angle°	Rear	\angle°	Rear	\angle°	Rear
15	74.5	20,100				
20	70.0	18,400	73.0	18,500		
25	65.5	15,400	69.0	13,600	71.5	13,700
30	61.0	11,100	65.0	11,300	68.5	11,500
35	56.0	9,200	61.0	9,400	64.5	9,600
40	50.5	7,600	56.5	7,900	61.0	8,100
45	45.0	6,300	52.0	6,600	57.0	6,800
50	38.0	5,200	47.0	5,500	53.0	5,600
55	30.5	4,200	41.5	4,500	49.0	4,700
60	19.5	3,400	35.5	3,700	44.5	3,900
65			28.5	2,900	39.5	3,100
70			18.5	2,300	33.5	2,500
75					26.5	1,900
80					17.5	1,400
Min.Bm. Ang./Cap.	0.0	2,900	0.0	1,900	0.0	1,100
Radius (ft)	63.0		73.0		83.0	

**Rated Lifting Capacities In Pounds
On Tires – Stationary
Boom Over Rear – Between Tire Tracks**



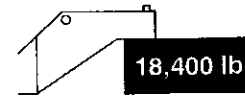
Load Radius (ft)	41.0 ft		50.0 ft		60.0 ft	
	\angle°	Rear	\angle°	Rear	\angle°	Rear
10	69.5	32,800				
12	66.5	29,800	71.0	30,800	74.5	31,100
15	61.5	25,900	67.5	26,800	71.5	27,500
20	53.0	20,700	61.0	21,800	66.5	22,600
25	43.0	16,700	53.5	17,900	61.0	18,800
30	29.5	12,800	46.0	14,400	55.0	15,600
35			38.5	11,000	48.5	12,200
40			23.5	8,400	41.5	9,600
45					33.0	7,600
50					21.5	6,100
Min.Bm. Ang./Cap.	0.0	9,900	0.0	7,200	0.0	5,300
Radius (ft)	34.0		43.0		53.0	

Load Radius (ft)	70.0 ft		80.0 ft		90.0 ft	
	\angle°	Rear	\angle°	Rear	\angle°	Rear
15	74.5	27,900				
20	70.5	23,100	73.0	18,900		
25	66.0	19,300	69.5	18,900	72.0	16,000
30	61.0	16,300	65.5	16,500	68.5	16,000
35	56.0	12,900	61.0	13,100	65.0	13,300
40	50.5	10,400	57.0	10,600	61.5	10,800
45	45.0	8,400	52.0	8,700	57.5	8,900
50	38.5	6,800	47.0	7,100	53.5	7,300
55	30.5	5,600	42.0	5,800	49.0	6,000
60	19.5	4,500	35.5	4,800	44.5	5,000
65			28.5	3,900	39.5	4,100
70			18.5	3,100	33.5	3,300
75					27.0	2,700
80					17.5	2,100
Min.Bm. Ang./Cap.	0.0	4,000	0.0	2,800	0.0	1,900
Radius (ft)	63.0		73.0		83.0	

**Rated Lifting Capacities In Pounds
On Tires – Pick & Carry – 1 mph
Boom Centered Over Rear**



On Tires



Load Radius (ft)	41.0 ft		50.0 ft		60.0 ft	
	Δ°	Rear	Δ°	Rear	Δ°	Rear
10	69.5	23,700				
12	66.5	20,200	71.0	21,800	74.5	22,600
15	61.5	17,500	67.5	18,400	71.5	18,900
20	53.0	13,500	60.5	14,500	66.5	15,300
25	43.0	10,400	53.5	11,600	61.0	12,400
30	29.5	7,900	45.5	9,200	55.0	10,100
35			36.5	7,200	48.5	8,200
40			23.5	5,600	41.5	6,700
45					33.0	5,300
50					21.5	4,200
Min.Bm. Ang./Cap.	0.0	6,200	0.0	4,700	0.0	3,500
Radius (ft)	34.0		43.0		53.0	

Load Radius (ft)	70.0 ft		80.0 ft		90.0 ft	
	Δ°	Rear	Δ°	Rear	Δ°	Rear
15	74.5	19,100				
20	70.0	15,800	73.0	15,900		
25	65.5	12,900	69.0	13,100	71.5	13,200
30	61.0	10,700	65.0	10,800	68.5	11,100
35	56.0	8,900	61.0	9,100	64.5	9,200
40	50.5	7,300	56.5	7,600	61.0	7,700
45	45.0	6,000	52.0	6,300	57.0	6,500
50	38.0	4,900	47.0	5,200	53.0	5,400
55	30.5	4,000	41.5	4,200	49.0	4,400
60	19.5	3,200	35.5	3,400	44.5	3,600
65			28.5	2,700	39.5	2,900
70			18.5	2,100	33.5	2,300
75					26.5	1,700
80					17.5	1,200
Min.Bm. Ang./Cap.	0.0	2,700	0.0	1,700	0.0	1,000
Radius (ft)	63.0		73.0		83.0	