

Link-Belt®

CONSTRUCTION EQUIPMENT

HTC – 8650 *Series II*

CRANE RATING MANUAL
4 – SECTION POWER BOOM

SERIAL NUMBER _____

For Replacement, Order Part Number: L8P0001
(022603)

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WARNING

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

OPERATING INSTRUCTIONS

GENERAL:

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

SET UP:

1. The crane shall be leveled on a firm supporting surface. Depending on the nature of the supporting surface, it may be necessary to have structural supports under the outrigger pontoons or tires to spread the load to a larger bearing surface.
2. When making lifts on outriggers, all tires must be free of supporting surface. All outrigger beams must be extended to the same length; fully retracted, intermediate extended, or fully extended. The front bumper outrigger must be properly extended.
3. When making lifts on tires, they must be inflated to the recommended pressure. (See Operation note 21 and Tire Inflation.)
4. Before swinging boom to over side position on tires, or on fully retracted outriggers where capacities are not published, boom sections must be fully retracted and 35° boom angle maintained.
5. For required parts of line, see Wire Rope Capacity and Winch Performance.
6. Before setting up the crane, refer to Allowable Crane Configuration and rated lifting capacities to determine allowable crane configurations.

OPERATION:

1. Rated lifting capacities at rated radii shall not be exceeded. Do not tip the crane to determine allowable loads.
2. Rated lifting capacities shall be reduced for repetitive lift applications. For concrete bucket operation, weight of bucket and load shall not exceed 80% of rated load. For duty cycle operation, such as loading and unloading, maximum allowable load shall not exceed 70% of rated load. For clamshell and magnet operation, weight of bucket, or magnet, and load shall not exceed 70% of rated load. Lifts with fly erected are prohibited for clamshell and magnet operation.
3. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads. Rated lifting capacities shown on intermediate extended or fully retracted outriggers are determined by the formula, rated load = (tipping load - 0.1 X load factor)/1.25. Rated lifting capacities shown on tires do not exceed 75% of the tipping loads. Tipping loads are determined by SAE crane stability test code J-765.
4. Rated lifting capacities in the shaded areas are based on structural strength or hydraulic limitations and have been tested to meet minimum requirements of SAE J-1063 cantilevered boom crane structures—method of test. The rated lifting capacities in non-shaded areas are based on stability ratings. Some capacities are limited by a maximum obtainable 78° boom angle.
5. Rated lifting capacities include the weight of the hook ball/block, slings, bucket, magnet, and auxiliary lifting devices. Their weights must be subtracted from the listed rated capacity to obtain the net load which can be lifted. Rated lifting capacities include the deduct for either fly stowed on the base of the boom. For deducts of either fly erected, but not used, see Capacity Deductions.
6. Rated lifting capacities are based on freely suspended loads. No attempt shall be made to move a load horizontally on the ground in any direction.
7. Rated lifting capacities are for lift crane service only.
8. Do not operate at radii or boom lengths (minimum or maximum) where capacities are not listed. At these positions, the crane can tip or cause boom failure.

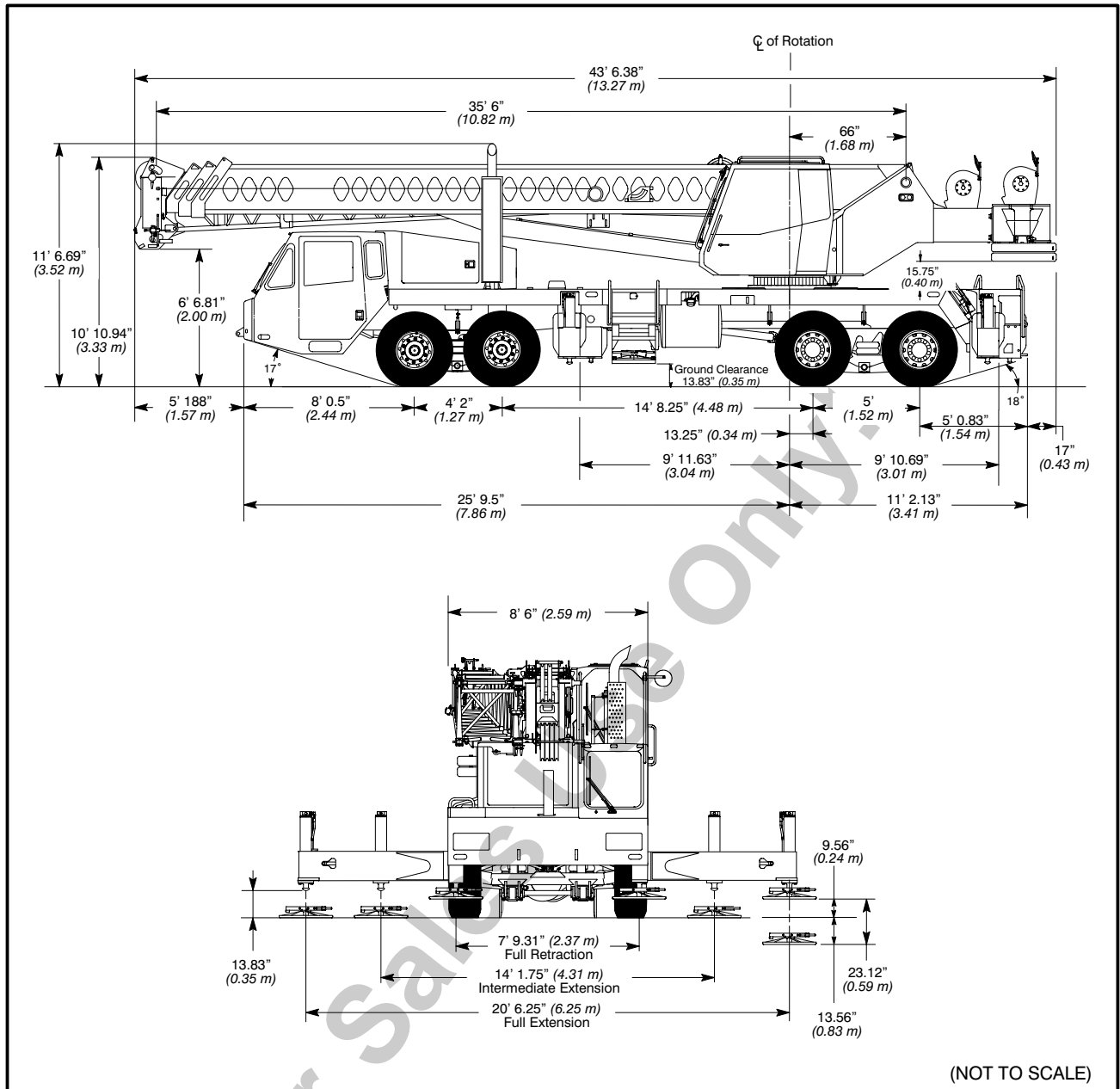
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9. The maximum loads which can be telescoped are not definable because of variation in loadings and crane maintenance, but it is permissible to attempt retraction and extension within the limits of the applicable load rating chart.
10. For main boom capacities when either boom length or radius or both are between values listed, proceed as follows:
 - a. For boom lengths not listed, use rating for next longer boom length or next shorter boom length, whichever is smaller.
 - b. For load radii not listed, use rating for next larger radius.
11. The user shall operate at reduced ratings to allow for adverse job conditions, such as: soft or uneven ground, out of level conditions, wind, side loads, pendulum action, jerking or sudden stopping of loads, hazardous conditions, experience of personnel, traveling with loads, electrical wires, etc. Side load on boom or fly is dangerous and shall be avoided.
12. For cold weather operation rated capacities should be reduced by the following rule: a 1% reduction in rated capacity should be taken for each 1°F below 0°F. Example: if the temperature is -10°F a 10% reduction in rated capacities should be taken, at -40°F a 40% reduction.
13. When making lifts with auxiliary head machinery, the effective length of the boom increases by 2 ft.
14. Power sections of boom must be extended in accordance with boom mode "A" or "B". In boom mode "B" all power sections must be extended or retracted equally.
15. The least stable rated working area depends on the configuration of the crane set up.
16. Rated lifting capacities are based on correct reeving. Deduction must be made for excessive reeving. Any reeving over minimum required (see Wire Rope Capacity) is considered excessive and must be accounted for when making lifts. Use Working Range Diagram to estimate the extra feet of rope then deduct 1 lb. for each extra foot of wire rope before attempting to lift a load.
17. The loaded boom angle combined with the boom length give only an approximation of the operating radius. The boom angle, before loading, should be greater to account for deflection. For main boom capacities, the loaded boom angle is for reference only. For fly capacities, the load radius is for reference only.
18. For fly capacities with main boom length less than 110 ft. and greater than 90 ft., the rated capacities are determined by the boom angle using the 110 ft. boom and fly chart. For angles not shown use the next lower boom angle to determine the rated capacity.
19. For fly capacities with main boom length less than 90 ft., the rated capacities are determined by the boom angle only using the 90 ft. boom and fly chart. For angles not shown, use the next lower boom angle to determine the rated capacity.
20. The 35.5 ft. boom length structural lifting capacities are based on boom fully retracted. If the boom is not fully retracted, do not exceed capacities shown for the 40 ft. boom length.
21. Rated lifting capacities on tires depend on tire capacity, condition of tires, and tire air pressure. On tire capacities require lifting from main boom head only on a smooth and level surface. The boom must be centered over the rear of the crane with two position travel swing lock engaged and the load must be restrained from swinging. Pick and carry operations are restricted to 1 mph speed. For correct tire pressure, see Tire Inflation.

DEFINITIONS:

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

GENERAL DIMENSIONS



TIRE INFLATION

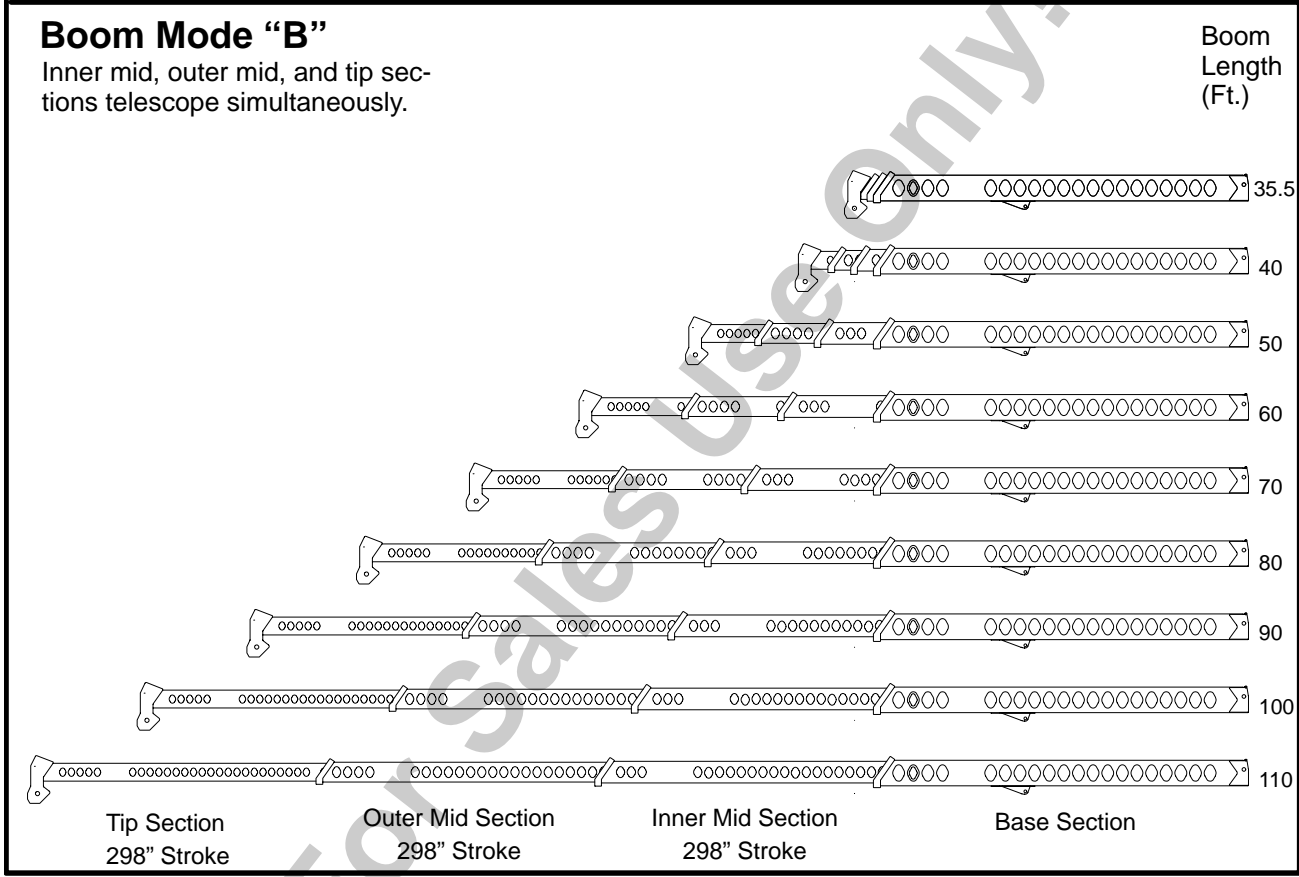
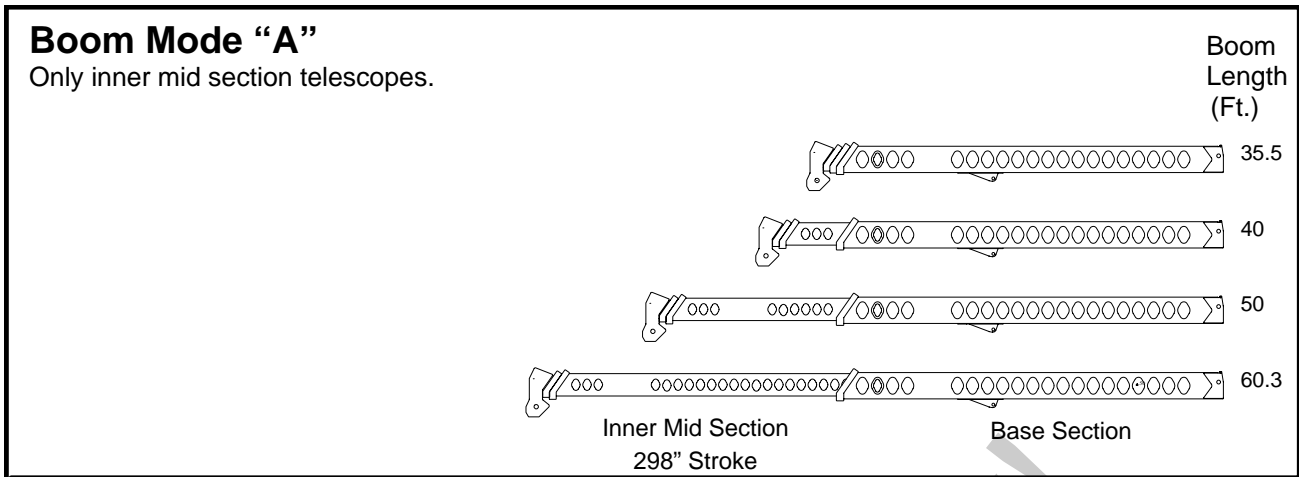
Tire Size	Operation	Tire Pressure (psi)
11 R 22.5	Stationary 1 mph	120 120

PONTOON LOADINGS

Maximum Pontoon Load:	Maximum Pontoon Ground Bearing Pressure:
76,000 lb	170 psi

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BOOM MODES



WIND SPEED RESTRICTIONS

If The Wind Speed Is:	Rated Lifted Capacities Must Be Reduced By At Least:
20–29 MPH	40%
30–39 MPH	70%
40 MPH or Greater	Crane operation must be shutdown and the boom retracted and lowered to horizontal.

- Additional reductions are required for loads with large wind sail area.
- These restrictions are based on crane on fully extended outriggers.
- During high winds, the operator shall add 10° to all minimum boom angles due to no load stability and shall not boom down below that angle.

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WINCH PERFORMANCE

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

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

WIRE ROPE CAPACITY

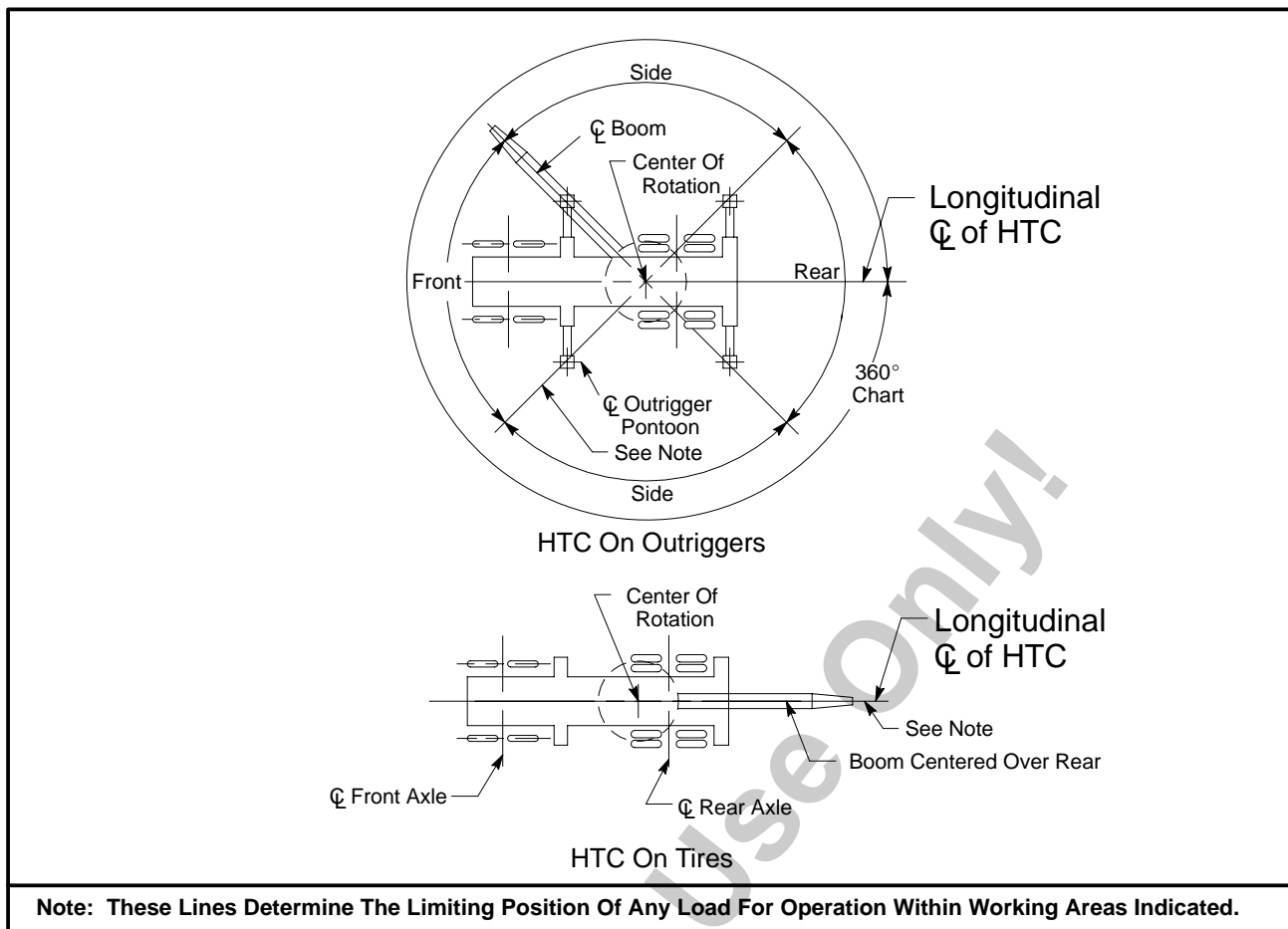
Maximum Lifting Capacities Based On Wire Rope Strength			
Parts of Line	5/8"	5/8"	Notes
	Type DB	Type RB	
1	11,770	9,080	Capacities shown are in pounds and working loads must not exceed the ratings on the capacity charts in the Crane Rating Manual. Capacity deducts for auxiliary lifting devices do not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

HYDRAULIC CIRCUIT PRESSURE SETTINGS

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

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WORKING AREAS

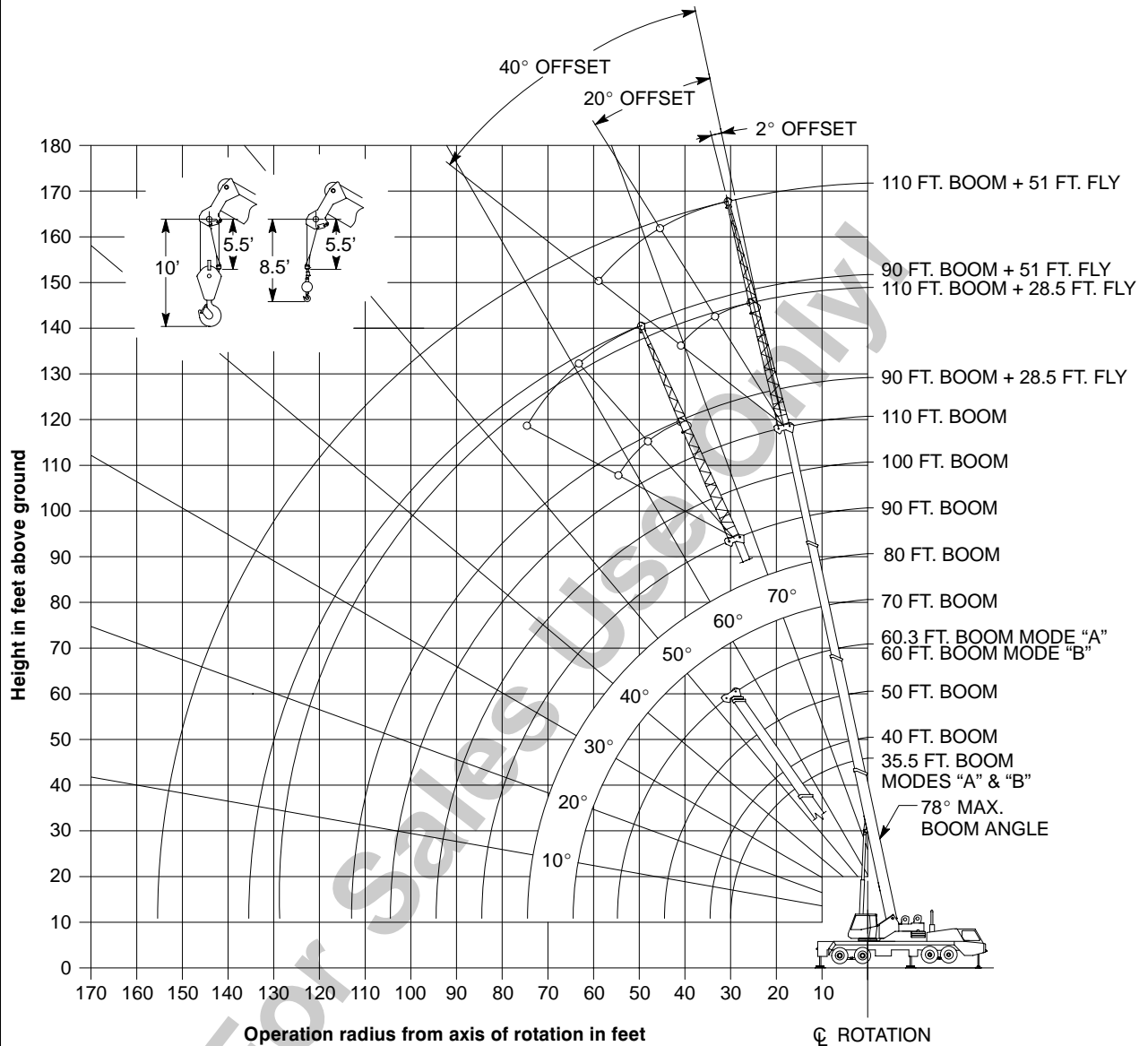


CAPACITY DEDUCTIONS

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

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WORKING RANGE DIAGRAM



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

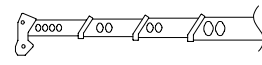
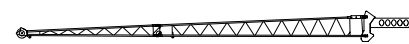


WARNING

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

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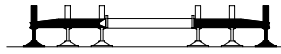
ALLOWABLE CRANE CONFIGURATION

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

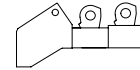
Patents	
This crane is covered by one or more of the following patents:	
United States:	
4 478 014	4 574 904
	4 728 029
Canada Patented Brevete:	
1 212 336	

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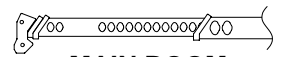
**Rated Lifting Capacities
In Pounds**



FULL OUTRIGGERS



4,300 # CTWT



**MAIN BOOM
"A"**

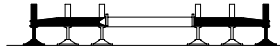
Load Radius (Ft.)	35.5 Ft.			40 Ft.			Load Radius (Ft.)
	\angle °	360°	Over Rear	\angle °	360°	Over Rear	
10	68.0	100,000	100,000	70.5	80,900	80,900	10
12	64.5	76,000	76,000	67.5	73,200	73,200	12
15	58.5	65,800	65,800	62.5	63,600	63,600	15
20	48.0	48,900	48,900	54.0	48,700	48,700	20
25	34.5	32,800	37,600	44.0	32,600	37,400	25
30				31.0	22,300	29,800	30
Min.Bm. Ang./Cap.	0.0 (30.0)	17,800	17,800	0.0 (34.5)	15,400	15,400	Min.Bm. Ang./Cap.

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

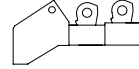
() Reference Radius For Min. Boom Angle Capacities (Shown in Parenthesis) Are In Feet.

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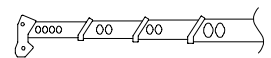
**Rated Lifting Capacities
In Pounds**



FULL OUTRIGGERS



4,300 # CTWT



**MAIN BOOM
"B"**

Load Radius (Ft.)	35.5 Ft.			40 Ft.			50 Ft.			Load Radius (Ft.)
	\angle °	360°	Over Rear	\angle °	360°	Over Rear	\angle °	360°	Over Rear	
10	68.0	100,000	100,000	70.5	37,900	37,900	74.5	37,900	37,900	10
12	64.5	76,000	76,000	67.5	37,900	37,900	72.5	37,900	37,900	12
15	58.5	65,800	65,800	62.5	37,900	37,900	69.0	37,900	37,900	15
20	48.0	48,900	48,900	54.0	37,900	37,900	62.5	37,900	37,900	20
25	34.5	32,800	37,600	44.0	33,400	37,900	55.5	33,900	37,900	25
30				31.0	23,000	30,300	47.5	23,700	30,900	30
35							39.0	17,500	23,800	35
40							27.5	13,400	18,700	40
Min.Bm. Ang./ Cap.	0.0 (30.0)	17,800	17,800	0.0 (34.5)	14,700	14,700	0.0 (44.5)	10,000	10,000	Min.Bm. Ang./ Cap.

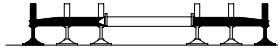
Load Radius (Ft.)	60 Ft.			70 Ft.			80 Ft.			Load Radius (Ft.)
	\angle °	360°	Over Rear	\angle °	360°	Over Rear	\angle °	360°	Over Rear	
10	77.5	37,900	37,900							10
12	76.0	37,900	37,900	78.0*	37,900	37,900				12
15	73.0	37,900	37,900	76.0	37,900	37,900	78.0*	35,400	35,400	15
20	68.0	37,900	37,900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

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

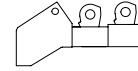
* This Capacity Based On Maximum Obtainable Boom Angle.

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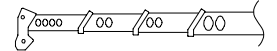
**Rated Lifting Capacities
In Pounds**



FULL OUTRIGGERS



4,300 # CTWT



**MAIN BOOM
"B"**

Load Radius (Ft.)	90 Ft.			100 Ft.			110 Ft.			Load Radius (Ft.)
	∠ °	360°	Over Rear	∠ °	360°	Over Rear	∠ °	360°	Over Rear	
20	77.0	28,900	28,900							20
25	74.0	28,300	28,300	76.0	24,000	24,000	77.5	19,500	19,500	25
30	70.5	24,400	24,900	73.0	22,600	22,600	75.0	19,500	19,500	30
35	66.5	18,300	22,100	70.0	18,400	20,100	72.5	18,400	18,500	35
40	62.5	14,200	19,500	66.5	14,300	18,000	69.5	14,300	16,500	40
45	59.0	11,300	15,900	63.0	11,400	15,900	66.5	11,500	14,700	45
50	54.5	9,200	13,100	59.5	9,200	13,200	63.0	9,300	13,200	50
55	50.5	7,500	11,100	56.0	7,500	11,100	60.0	7,600	11,200	55
60	46.0	6,100	9,400	52.0	6,200	9,400	56.5	6,200	9,500	60
65	41.0	5,000	7,900	48.0	5,100	8,000	53.0	5,100	8,100	65
70	35.5	4,000	6,700	43.5	4,100	6,800	49.5	4,200	6,900	70
75	29.0	3,200	5,700	39.0	3,300	5,800	46.0	3,400	5,900	75
80	20.5	2,500	4,800	34.0	2,600	5,000	42.0	2,700	5,100	80
85				27.5	2,000	4,200	37.5	2,100	4,300	85
90				20.0	1,500	3,600	32.5	1,600	3,600	90
Min.Bm. Ang./ Cap.	0.0 (84.5)	2,000	2,500	13.0 (92.8)			27.5 (93.9)			Min.Bm. Ang./ Cap.

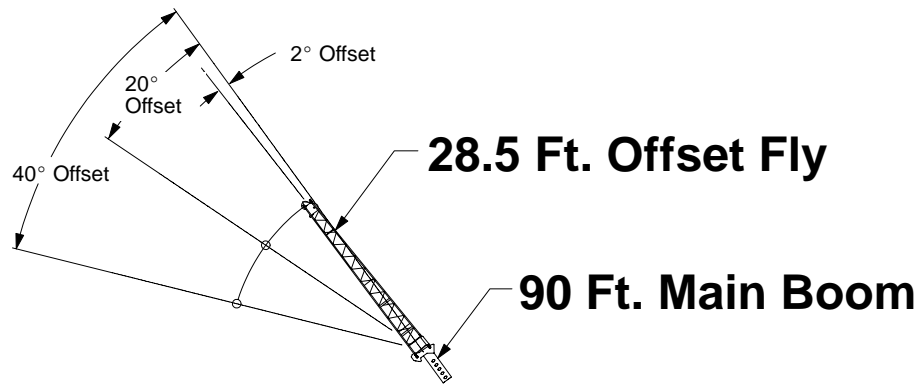


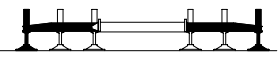
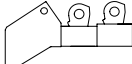
WARNING

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

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

not for crane operations

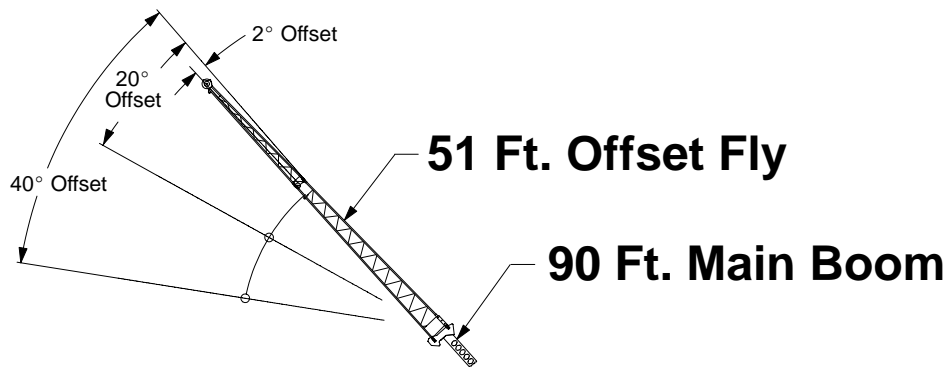


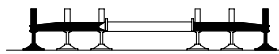
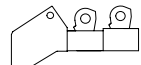
Rated Lifting Capacities In Pounds		 FULL OUTRIGGERS				 4,300 # CTWT	
		2° Offset		20° Offset		40° Offset	
Load Radius (Ft.)	\angle °	360°	\angle °	360°	\angle °	360°	
	30	77.0	16,900				
35	74.5	14,200					35
40	72.0	13,500	75.5	10,600			40
45	69.5	12,500	73.0	10,100	76.5	7,900	45
50	66.5	10,300	70.5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

⚠ WARNING

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

not for crane operations



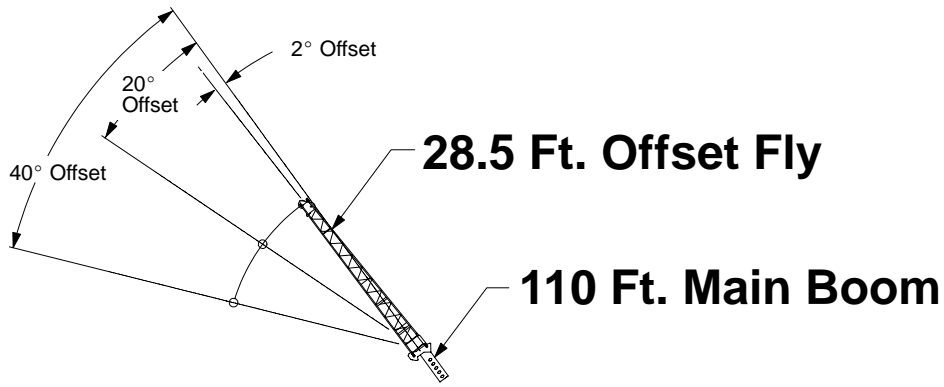
Rated Lifting Capacities In Pounds		 FULL OUTRIGGERS				 4,300 # CTWT	
Load Radius (Ft.)	2° Offset		20° Offset		40° Offset		Load Radius (Ft.)
	\angle °	360°	\angle °	360°	\angle °	360°	
35	78.0*	9,200					35
40	76.0	8,600					40
45	74.0	8,100					45
50	72.0	7,600	78.0*	5,500			50
55	70.0	7,000	75.5	5,200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

⚠ WARNING

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

* This Capacity Based On Maximum Obtainable Boom Angle.

not for crane operations



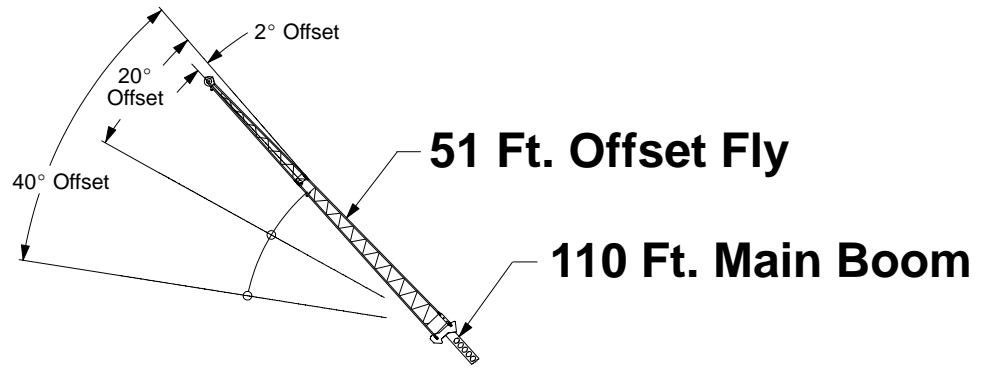
Rated Lifting Capacities In Pounds		FULL OUTRIGGERS				4,300 # CTWT	
		2° Offset		20° Offset		40° Offset	
Load Radius (Ft.)	\angle °	360°	\angle °	360°	\angle °	360°	Load Radius (Ft.)
	35	77.0	9,400				
40	75.5	9,400					40
45	73.5	9,400	77.0	9,600			45
50	71.5	9,400	75.0	9,200	78.0*	7,600	50
55	69.0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


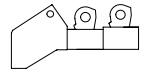
⚠ WARNING

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

*This Capacity Based On Maximum Obtainable Boom Angle.

not for crane operations



Rated Lifting Capacities In Pounds		 FULL OUTRIGGERS				 4,300 # CTWT	
Load Radius (Ft.)	2° Offset		20° Offset		40° Offset		Load Radius (Ft.)
	\angle	360°	\angle	360°	\angle	360°	
45	77.0	6,200					45
50	75.5	6,200					50
55	74.0	6,200					55
60	72.5	6,200	77.5	4,900			60
65	70.5	6,100	75.5	4,700			65
70	68.5	5,300	73.5	4,500			70
75	66.0	4,500	71.5	4,300	76.5	3,500	75
80	64.0	3,800	70.0	4,200	74.5	3,400	80
85	61.5	3,200	67.5	3,900	72.5	3,300	85
90	59.0	2,600	65.0	3,300	70.0	3,300	90
95	57.0	2,200	62.5	2,800	68.0	3,200	95
100	54.5	1,700	60.0	2,300	65.0	2,800	100
105			57.5	1,900	62.5	2,300	105
110			55.0	1,500	59.5	1,900	110
115					56.0	1,500	115

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

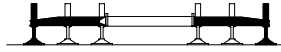
not for crane operations

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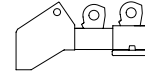
For Sales Use Only!

not for crane operations

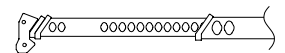
**Rated Lifting Capacities
In Pounds**



FULL OUTRIGGERS



7,900 # CTWT



**MAIN BOOM
"A"**

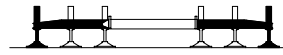
Load Radius (Ft.)	35.5 Ft.			40 Ft.			Load Radius (Ft.)
	\angle °	360°	Over Rear	\angle °	360°	Over Rear	
10	68.0	100,000	100,000	70.5	80,900	80,900	10
12	64.5	76,000	76,000	67.5	73,200	73,200	12
15	58.5	65,800	65,800	62.5	63,600	63,600	15
20	48.0	50,700	50,700	54.0	50,500	50,500	20
25	34.5	37,200	39,000	44.0	37,000	38,900	25
30				31.0	25,600	31,000	30
Min.Bm. Ang./Cap.	0.0 (30.0)	17,800	17,800	0.0 (34.5)	15,400	15,400	Min.Bm. Ang./Cap.

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

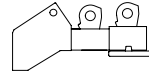
() Reference Radius For Min. Boom Angle Capacities (Shown in Parenthesis) Are In Feet.

not for crane operations

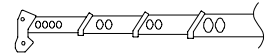
**Rated Lifting Capacities
In Pounds**



FULL OUTRIGGERS



7,900 # CTWT



**MAIN BOOM
"B"**

Load Radius (Ft.)	35.5 Ft.			40 Ft.			50 Ft.			Load Radius (Ft.)
	\angle °	360°	Over Rear	\angle °	360°	Over Rear	\angle °	360°	Over Rear	
10	68.0	100,000	100,000	70.5	37,900	37,900	74.5	37,900	37,900	10
12	64.5	76,000	76,000	67.5	37,900	37,900	72.5	37,900	37,900	12
15	58.5	65,800	65,800	62.5	37,900	37,900	69.0	37,900	37,900	15
20	48.0	50,700	50,700	54.0	37,900	37,900	62.5	37,900	37,900	20
25	34.5	37,200	39,000	44.0	37,800	37,900	55.5	37,900	37,900	25
30							31.0	26,300	31,500	
35							39.0	20,200	26,300	35
40							27.5	15,600	20,800	40
Min.Bm. Ang./ Cap.	0.0 (30.0)	17,800	17,800	0.0 (34.5)	14,700	14,700	0.0 (44.5)	10,000	10,000	Min.Bm. Ang./ Cap.

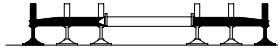
Load Radius (Ft.)	60 Ft.			70 Ft.			80 Ft.			Load Radius (Ft.)
	\angle °	360°	Over Rear	\angle °	360°	Over Rear	\angle °	360°	Over Rear	
10	77.5	37,900	37,900							10
12	76.0	37,900	37,900	78.0*	37,900	37,900				12
15	73.0	37,900	37,900	76.0	37,900	37,900	78.0*	35,400	35,400	15
20	68.0	37,900	37,900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

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

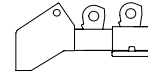
* This Capacity Based On Maximum Obtainable Boom Angle.

not for crane operations

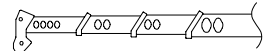
**Rated Lifting Capacities
In Pounds**



FULL OUTRIGGERS



7,900 # CTWT



**MAIN BOOM
"B"**

Load Radius (Ft.)	90 Ft.			100 Ft.			110 Ft.			Load Radius (Ft.)
	∠ °	360°	Over Rear	∠ °	360°	Over Rear	∠ °	360°	Over Rear	
20	77.0	28,900	28,900							20
25	74.0	28,300	28,300	76.0	24,000	24,000	77.5	19,500	19,500	25
30	70.5	24,900	24,900	73.0	22,600	22,600	75.0	19,500	19,500	30
35	67.0	20,900	22,100	70.0	20,100	20,100	72.5	18,500	18,500	35
40	63.0	16,400	19,800	66.5	16,500	18,000	70.0	16,500	16,500	40
45	59.0	13,200	17,700	63.0	13,200	16,200	66.5	13,300	14,700	45
50	55.0	10,800	14,700	59.5	10,900	14,500	63.5	10,900	13,300	50
55	50.5	8,900	12,400	56.0	9,000	12,500	60.5	9,000	12,100	55
60	46.0	7,400	10,600	52.0	7,500	10,700	57.0	7,500	10,800	60
65	41.0	6,200	9,100	48.0	6,200	9,200	53.5	6,300	9,200	65
70	35.5	5,100	7,800	44.0	5,200	7,900	50.0	5,300	8,000	70
75	29.0	4,200	6,700	39.5	4,300	6,800	46.0	4,400	6,900	75
80	21.0	3,400	5,800	34.0	3,600	5,900	42.0	3,700	6,000	80
85				28.0	2,900	5,100	37.5	3,000	5,200	85
90				20.0	2,300	4,400	32.5	2,400	4,400	90
95							27.0	1,900	3,800	95
100							19.5	1,400	3,300	100
Min.Bm. Ang./ Cap.	0.0 (84.5)	2,500	2,500	0.0 (94.5)	1,600	1,600	12.0 (103.1)			Min.Bm. Ang./ Cap.

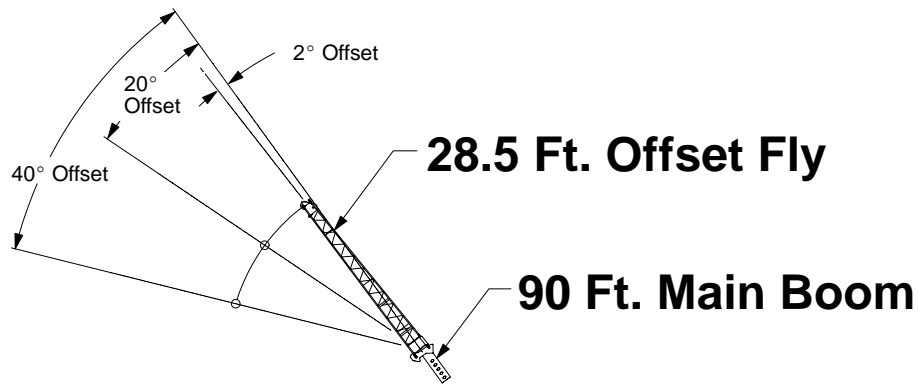


WARNING

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

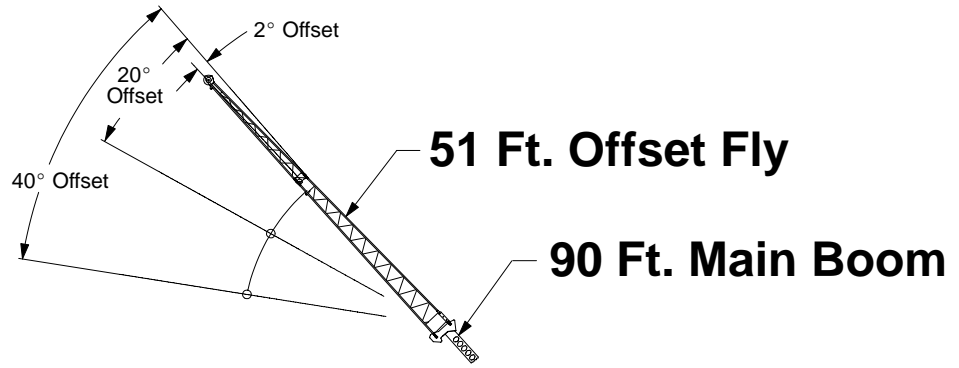
() Reference Radius For Min. Boom Angle Capacities (Shown In Parenthesis) Are In Feet.

not for crane operations



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

not for crane operations



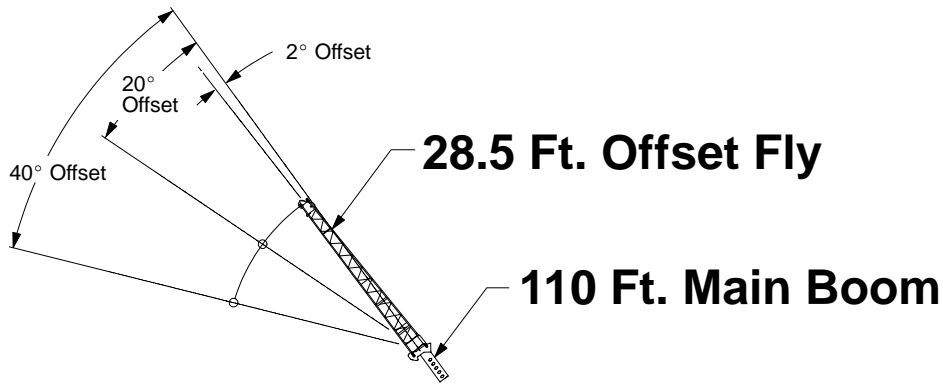
Rated Lifting Capacities In Pounds		FULL OUTRIGGERS				7,900 # CTWT	
		2° Offset		20° Offset		40° Offset	
Load Radius (Ft.)	∠ °	360°	∠ °	360°	∠ °	360°	Load Radius (Ft.)
	35	78.0*	9,200				
40	76.0	8,600					40
45	74.0	8,100					45
50	72.0	7,600	78.0*	5,500			50
55	70.0	7,000	75.5	5,200			55
60	67.5	6,600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

⚠ WARNING

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

* This Capacity Based On Maximum Obtainable Boom Angle.

not for crane operations



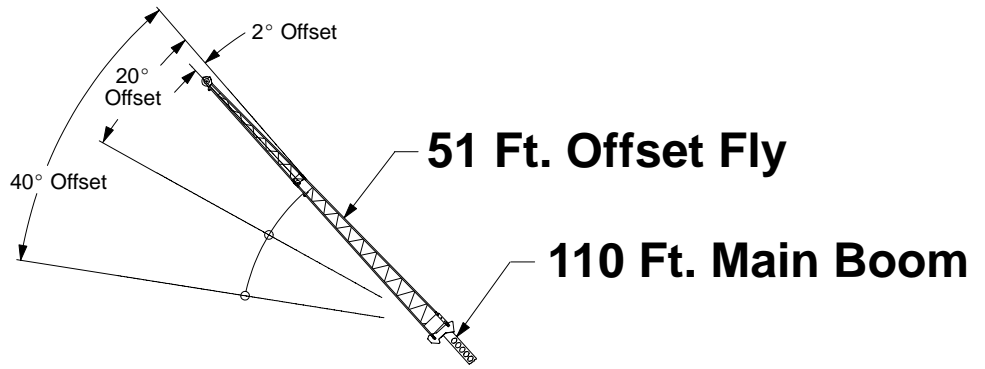
Rated Lifting Capacities In Pounds		FULL OUTRIGGERS		7,900 # CTWT		Load Radius (Ft.)	
		2° Offset		20° Offset			40° Offset
Load Radius (Ft.)	2° Offset		20° Offset		40° Offset		Load Radius (Ft.)
	\angle °	360°	\angle °	360°	\angle °	360°	
35	77.0	9,400					35
40	75.5	9,400					40
45	73.5	9,400	77.0	9,600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

⚠ WARNING

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

*This Capacity Based On Maximum Obtainable Boom Angle.

not for crane operations



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

! WARNING

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

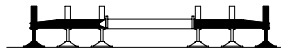
not for crane operations

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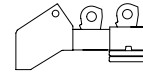
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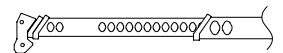
**Rated Lifting Capacities
In Pounds**



FULL OUTRIGGERS



11,500 # CTWT



**MAIN BOOM
"A"**

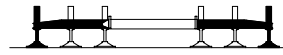
Load Radius (Ft.)	35.5 Ft.			40 Ft.			Load Radius (Ft.)
	\angle °	360°	Over Rear	\angle °	360°	Over Rear	
10	68.0	100,000	100,000	70.5	80,900	80,900	10
12	64.5	76,000	76,000	67.5	73,200	73,200	12
15	58.5	65,800	65,800	62.5	63,600	63,600	15
20	48.0	52,500	52,500	54.0	52,000	52,000	20
25	34.5	40,500	40,500	44.0	40,300	40,300	25
30				31.0	28,900	32,200	30
Min.Bm. Ang./Cap.	0.0 (30.0)	17,800	17,800	0.0 (34.5)	15,400	15,400	Min.Bm. Ang./Cap.

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

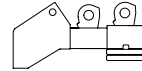
() Reference Radius For Min. Boom Angle Capacities (Shown in Parenthesis) Are In Feet.

not for crane operations

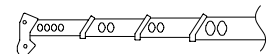
**Rated Lifting Capacities
In Pounds**



FULL OUTRIGGERS



11,500 # CTWT



**MAIN BOOM
"B"**

Load Radius (Ft.)	35.5 Ft.			40 Ft.			50 Ft.			Load Radius (Ft.)
	\angle °	360°	Over Rear	\angle °	360°	Over Rear	\angle °	360°	Over Rear	
10	68.0	100,000	100,000	70.5	37,900	37,900	74.5	37,900	37,900	10
12	64.5	76,000	76,000	67.5	37,900	37,900	72.5	37,900	37,900	12
15	58.5	65,800	65,800	62.5	37,900	37,900	69.0	37,900	37,900	15
20	48.0	52,500	52,500	54.0	37,900	37,900	62.5	37,900	37,900	20
25	34.5	40,500	40,500	44.0	37,900	37,900	55.5	37,900	37,900	25
30				31.0	29,600	32,700	48.0	30,300	33,300	30
35							39.0	22,800	27,500	35
40							27.5	17,700	22,900	40
Min.Bm. Ang./ Cap.	0.0 (30.0)	17,800	17,800	0.0 (34.5)	14,700	14,700	0.0 (44.5)	10,000	10,000	Min.Bm. Ang./ Cap.

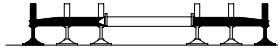
Load Radius (Ft.)	60 Ft.			70 Ft.			80 Ft.			Load Radius (Ft.)
	\angle °	360°	Over Rear	\angle °	360°	Over Rear	\angle °	360°	Over Rear	
10	77.5	37,900	37,900							10
12	76.0	37,900	37,900	78.0*	37,900	37,900				12
15	73.0	37,900	37,900	76.0	37,900	37,900	78.0*	35,400	35,400	15
20	68.0	37,900	37,900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

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

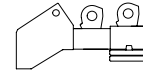
* This Capacity Based On Maximum Obtainable Boom Angle.

not for crane operations

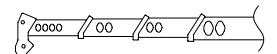
**Rated Lifting Capacities
In Pounds**



FULL OUTRIGGERS



11,500 # CTWT

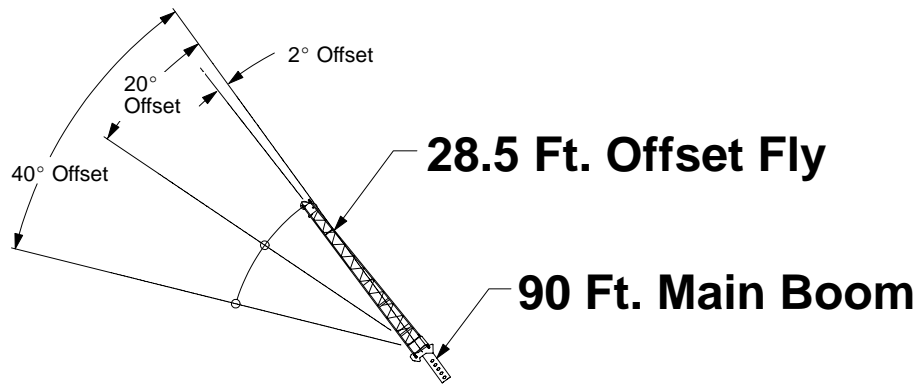


**MAIN BOOM
"B"**

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

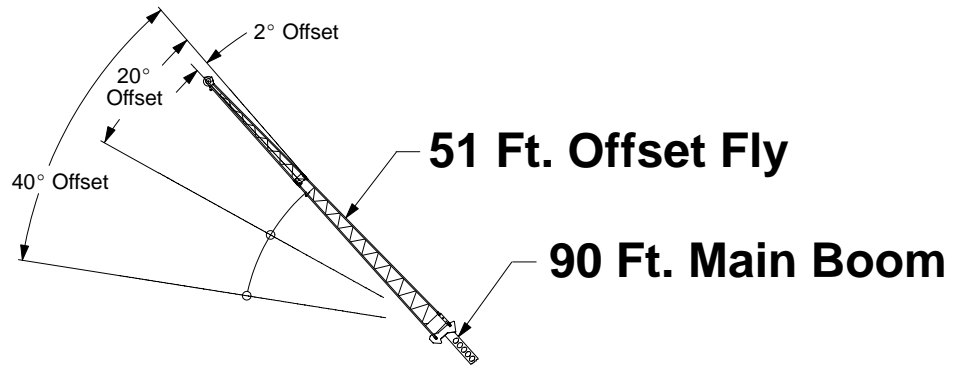
() Reference Radius For Min. Boom Angle Capacities (Shown In Parenthesis) Are In Feet.

not for crane operations



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

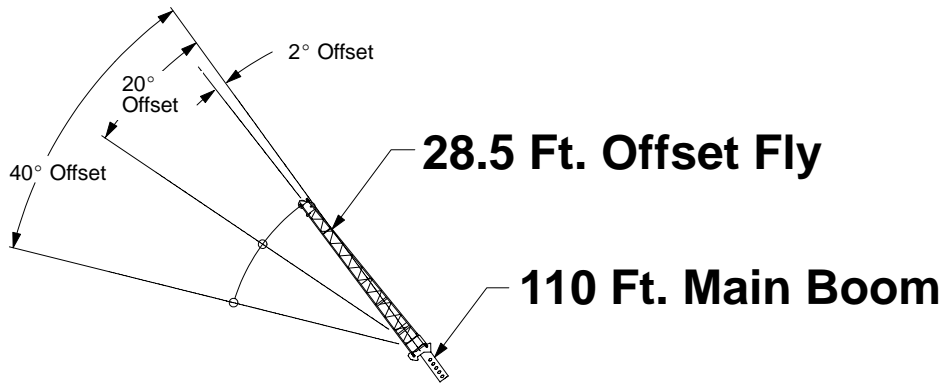
not for crane operations

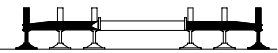
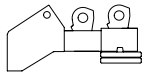


Rated Lifting Capacities In Pounds		FULL OUTRIGGERS				11,500 # CTWT	
		2° Offset		20° Offset		40° Offset	
Load Radius (Ft.)	∠ °	360°	∠ °	360°	∠ °	360°	Load Radius (Ft.)
	35	78.0*	9,200				
40	76.0	8,600					40
45	74.0	8,100					45
50	72.0	7,600	78.0*	5,500			50
55	70.0	7,000	75.5	5,200			55
60	67.5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

* This Capacity Based On Maximum Obtainable Boom Angle.

not for crane operations



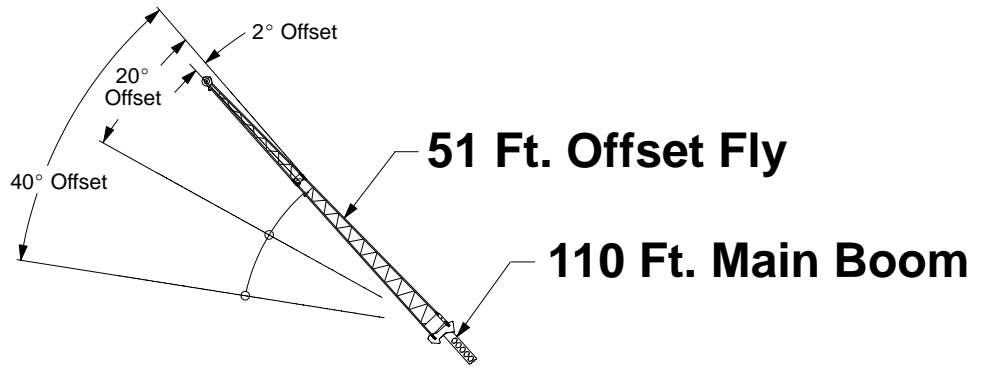
Rated Lifting Capacities In Pounds		 FULL OUTRIGGERS						 11,500 # CTWT	
		2° Offset		20° Offset		40° Offset		Load Radius (Ft.)	
Load Radius (Ft.)	\angle °	360°	\angle °	360°	\angle °	360°	Load Radius (Ft.)		
	35	77.0	9,400						35
40	75.5	9,400					40		
45	73.5	9,400	77.0	9,600			45		
50	71.5	9,400	75.0	9,200	78.0*	7,600	50		
55	69.5	9,300	73.0	8,600	75.5	7,400	55		
60	67.5	8,600	70.5	8,000	73.5	7,200	60		
65	65.0	8,000	68.5	7,400	71.0	7,000	65		
70	62.5	7,000	66.0	7,000	68.5	6,600	70		
75	59.5	6,000	63.5	6,500	66.0	6,200	75		
80	57.0	5,200	60.5	5,600	63.5	5,900	80		
85	54.0	4,400	57.5	4,800	60.5	5,200	85		
90	51.0	3,800	54.5	4,200	57.0	4,400	90		
95	48.0	3,200	51.5	3,600	53.5	3,800	95		
100	45.0	2,700	48.0	3,000	50.0	3,200	100		
105	41.5	2,300	44.5	2,500	46.5	2,700	105		
110	37.5	1,900	40.5	2,100	42.0	2,200	110		
115	33.5	1,500	36.5	1,700			115		
120	29.0	1,200	31.5	1,300			120		

⚠ WARNING

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

*This Capacity Based On Maximum Obtainable Boom Angle.

not for crane operations



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

! WARNING

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

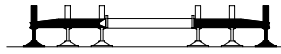
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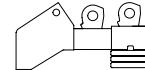
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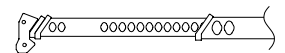
**Rated Lifting Capacities
In Pounds**



FULL OUTRIGGERS



15,100 # CTWT



**MAIN BOOM
"A"**

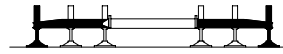
Load Radius (Ft.)	35.5 Ft.			40 Ft.			Load Radius (Ft.)
	\angle °	360°	Over Rear	\angle °	360°	Over Rear	
10	68.0	100,000	100,000	70.5	80,900	80,900	10
12	64.5	76,000	76,000	67.5	73,200	73,200	12
15	58.5	65,800	65,800	62.5	63,600	63,600	15
20	48.0	53,400	53,400	54.0	52,000	52,000	20
25	34.5	41,900	41,900	44.0	41,700	41,700	25
30				31.0	32,200	33,400	30
Min.Bm. Ang./Cap.	0.0 (30.0)	17,800	17,800	0.0 (34.5)	15,400	15,400	Min.Bm. Ang./Cap.

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

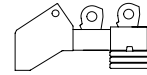
() Reference Radius For Min. Boom Angle Capacities (Shown in Parenthesis) Are In Feet.

not for crane operations

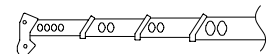
**Rated Lifting Capacities
In Pounds**



FULL OUTRIGGERS



15,100 # CTWT



**MAIN BOOM
"B"**

Load Radius (Ft.)	35.5 Ft.			40 Ft.			50 Ft.			Load Radius (Ft.)
	\angle °	360°	Over Rear	\angle °	360°	Over Rear	\angle °	360°	Over Rear	
10	68.0	100,000	100,000	70.5	37,900	37,900	74.5	37,900	37,900	10
12	64.5	76,000	76,000	67.5	37,900	37,900	72.5	37,900	37,900	12
15	58.5	65,800	65,800	62.5	37,900	37,900	69.0	37,900	37,900	15
20	48.0	53,400	53,400	54.0	37,900	37,900	62.5	37,900	37,900	20
25	34.5	41,900	41,900	44.0	37,900	37,900	55.5	37,900	37,900	25
30				31.0	32,900	33,900	48.0	33,600	34,500	30
35							39.0	25,400	28,500	35
40							27.5	19,900	24,000	40
Min.Bm. Ang./ Cap.	0.0 (30.0)	17,800	17,800	0.0 (34.5)	14,700	14,700	0.0 (44.5)	10,000	10,000	Min.Bm. Ang./ Cap.

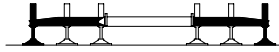
Load Radius (Ft.)	60 Ft.			70 Ft.			80 Ft.			Load Radius (Ft.)
	\angle °	360°	Over Rear	\angle °	360°	Over Rear	\angle °	360°	Over Rear	
10	77.5	37,900	37,900							10
12	76.0	37,900	37,900	78.0*	37,900	37,900				12
15	73.0	37,900	37,900	76.0	37,900	37,900	78.0*	35,400	35,400	15
20	68.0	37,900	37,900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

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

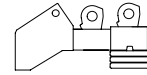
* This Capacity Based On Maximum Obtainable Boom Angle.

not for crane operations

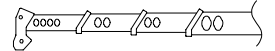
**Rated Lifting Capacities
In Pounds**



FULL OUTRIGGERS



15,100 # CTWT

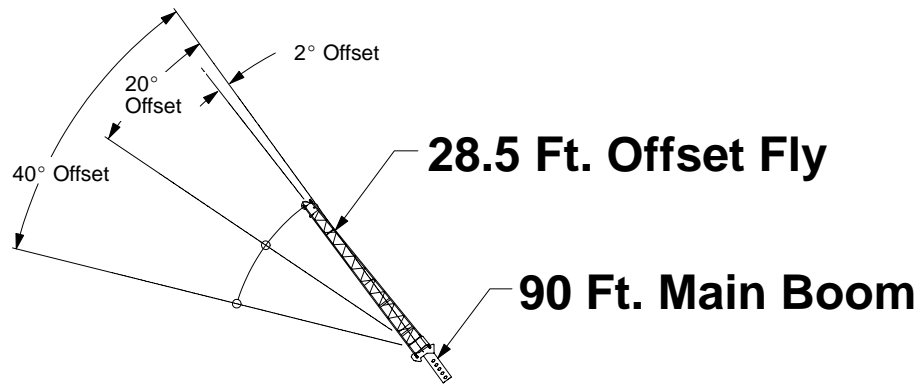


**MAIN BOOM
"B"**

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

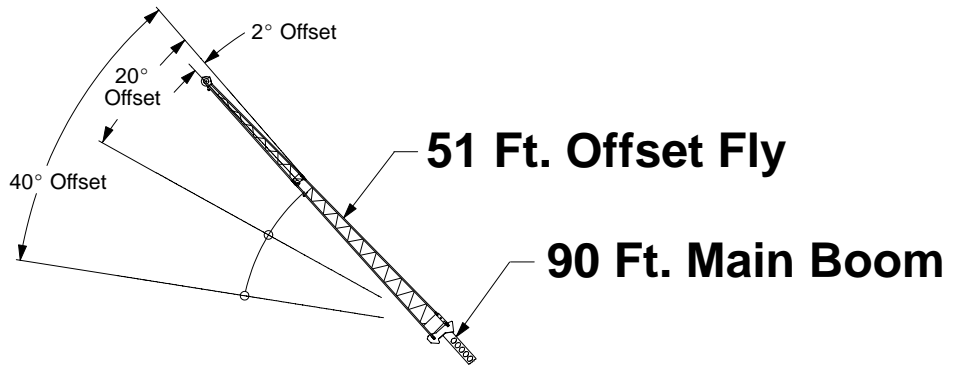
() Reference Radius For Min. Boom Angle Capacities (Shown In Parenthesis) Are In Feet.

not for crane operations



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

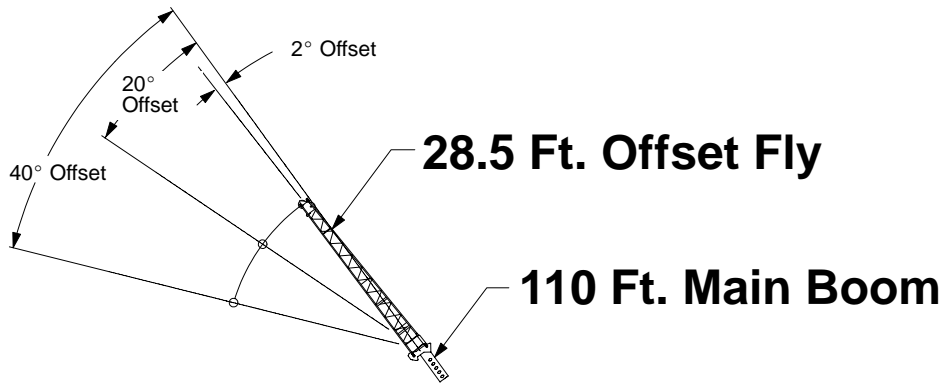
not for crane operations

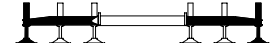
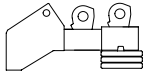


Rated Lifting Capacities In Pounds		FULL OUTRIGGERS				15,100 # CTWT	
		2° Offset		20° Offset		40° Offset	
Load Radius (Ft.)	∠ °	360°	∠ °	360°	∠ °	360°	Load Radius (Ft.)
	35	78.0*	9,200				
40	76.0	8,600					40
45	74.0	8,100					45
50	72.0	7,600	78.0*	5,500			50
55	70.0	7,000	75.5	5,200			55
60	67.5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

* This Capacity Based On Maximum Obtainable Boom Angle.

not for crane operations



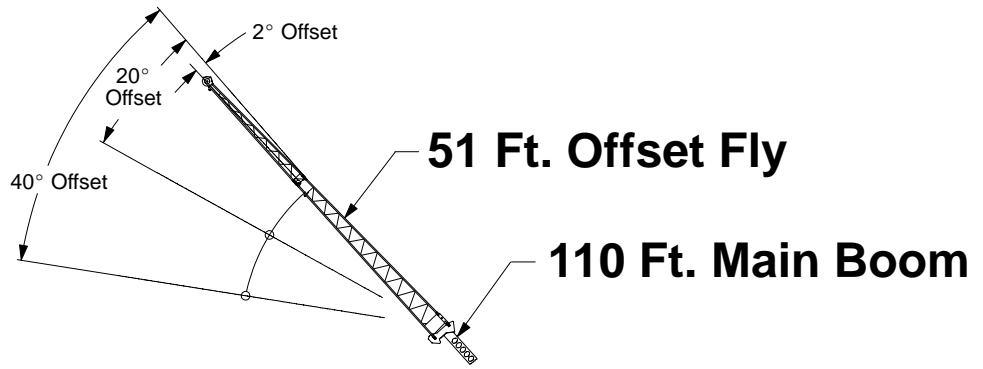
Rated Lifting Capacities In Pounds		 FULL OUTRIGGERS				 15,100 # CTWT	
		2° Offset		20° Offset		40° Offset	
Load Radius (Ft.)	\angle °	360°	\angle °	360°	\angle °	360°	
	35	77.0	9,400				
40	75.5	9,400					40
45	73.5	9,400	77.0	9,600			45
50	71.5	9,400	75.0	9,200	78.0*	7,600	50
55	69.5	9,300	73.0	8,600	75.5	7,400	55
60	67.5	8,600	70.5	8,000	73.5	7,200	60
65	65.0	8,000	68.5	7,400	71.0	7,000	65
70	62.5	7,500	66.0	7,000	68.5	6,600	70
75	60.0	7,000	63.5	6,500	66.0	6,200	75
80	57.5	6,100	61.0	6,200	63.5	5,900	80
85	54.5	5,300	58.0	5,700	60.5	5,600	85
90	51.5	4,600	55.0	5,000	57.5	5,200	90
95	48.5	4,000	52.0	4,300	54.0	4,500	95
100	45.0	3,500	48.5	3,700	50.5	3,900	100
105	42.0	3,000	45.0	3,200	46.5	3,400	105
110	38.0	2,500	41.0	2,700	42.5	2,800	110
115	34.0	2,200	37.0	2,300			115
120	29.5	1,800	32.0	1,900			120
125	24.0	1,500	26.0	1,500			125
130	16.0	1,200					130

⚠ WARNING

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

*This Capacity Based On Maximum Obtainable Boom Angle.

not for crane operations



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

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

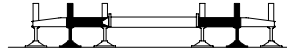
not for crane operations

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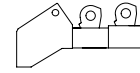
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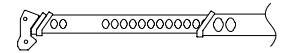
**Rated Lifting Capacities
In Pounds**



INTERMEDIATE OUTRIGGERS



4,300# CTWT



**MAIN BOOM
"A"**

Load Radius (Ft.)	35.5 Ft.		40 Ft.		Load Radius (Ft.)
	\angle °	360°	\angle °	360°	
10	68.0	84,100	70.5	80,900	10
12	64.5	76,000	67.5	73,200	12
15	58.5	45,400	62.5	44,900	15
20	48.0	24,800	54.0	24,600	20
25	34.5	15,600	43.5	15,400	25
30			31.0	10,200	30
Min.Bm. Ang./Cap.	0.0 (30.0)	10,200	0.0 (34.5)	7,000	Min.Bm. Ang./Cap.

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

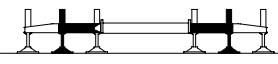
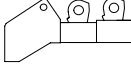
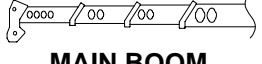


WARNING

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

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

not for crane operations

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

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



WARNING

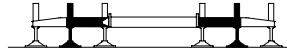
Do Not Lower The Boom Below The Minimum Boom Angle For The Boom Lengths Shown, Since Loss Of Stability Will Occur Causing A Tipping Condition.

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

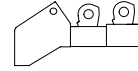
*This Capacity Based On Maximum Obtainable Boom Angle.

not for crane operations

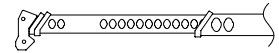
**Rated Lifting Capacities
In Pounds**



INTERMEDIATE OUTRIGGERS



4,300# CTWT



**MAIN BOOM
"B"**

Load Radius (Ft.)	90 Ft.		100 Ft.		Load Radius (Ft.)
	\angle °	360°	\angle °	360°	
20	76.5	26,600			20
25	73.0	17,500	75.5	17,600	25
30	69.5	12,300	72.0	12,400	30
35	65.5	9,100	68.5	9,100	35
40	62.0	6,700	65.5	6,800	40
45	58.0	5,000	62.0	5,100	45
50	54.0	3,700	58.5	3,800	50
55	50.0	2,600	55.0	2,700	55
60	45.5	1,700	51.0	1,800	60
Min.Bm. Ang./Cap.	42.5 (62.8)		48.0 (63.7)		Min.Bm. Ang./Cap.



WARNING

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

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

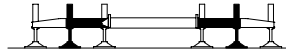
For Sale Only

not for crane operations

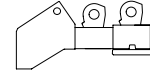
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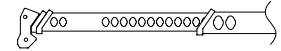
**Rated Lifting Capacities
In Pounds**



INTERMEDIATE OUTRIGGERS



7,900# CTWT



**MAIN BOOM
"A"**

Load Radius (Ft.)	35.5 Ft.		40 Ft.		Load Radius (Ft.)
	\angle °	360°	\angle °	360°	
10	68.0	84,100	70.5	80,900	10
12	64.5	76,000	67.5	73,200	12
15	58.5	52,000	62.5	51,400	15
20	48.0	28,900	54.0	28,600	20
25	34.5	18,500	43.5	18,300	25
30			31.0	12,500	30
Min.Bm. Ang./Cap.	0.0 (30.0)	12,500	0.0 (34.5)	8,900	Min.Bm. Ang./Cap.

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

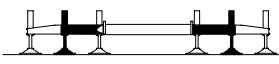
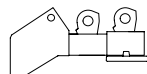
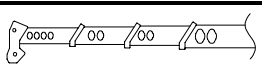


WARNING

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

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

not for crane operations

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

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

⚠ WARNING

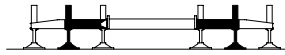
Do Not Lower The Boom Below The Minimum Boom Angle For The Boom Lengths Shown, Since Loss Of Stability Will Occur Causing A Tipping Condition.

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

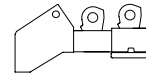
*This Capacity Based On Maximum Obtainable Boom Angle.

not for crane operations

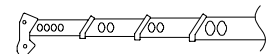
**Rated Lifting Capacities
In Pounds**



INTERMEDIATE OUTRIGGERS



7,900# CTWT



**MAIN BOOM
"B"**

Load Radius (Ft.)	90 Ft.		100 Ft.		110 Ft.		Load Radius (Ft.)
	\angle °	360°	\angle °	360°	\angle °	360°	
20	77.0	28,900					20
25	73.0	20,400	75.5	20,500	77.5	19,500	25
30	69.5	14,600	72.0	14,700	74.5	14,700	30
35	66.0	10,900	69.0	11,000	71.5	11,100	35
40	62.0	8,300	65.5	8,400	68.5	8,400	40
45	58.5	6,400	62.0	6,500	65.5	6,500	45
50	54.5	4,900	59.0	5,000	62.5	5,000	50
55	50.0	3,700	55.0	3,800	59.0	3,900	55
60	45.5	2,700	51.5	2,800	56.0	2,900	60
65	40.5	1,900	47.5	2,000	52.5	2,100	65
70			43.0	1,300	49.0	1,400	70
Min.Bm. Ang./Cap.	34.5 (70.3)		42.0 (70.8)		47.5 (71.8)		Min.Bm. Ang./Cap.



WARNING

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

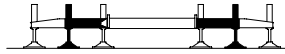
() Reference Radius for Min. Boom Angle Capacities (Shown In Parenthesis) Are In Feet.

not for crane operations

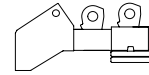
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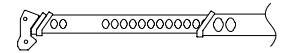
**Rated Lifting Capacities
In Pounds**



INTERMEDIATE OUTRIGGERS



11,500# CTWT



**MAIN BOOM
"A"**

Load Radius (Ft.)	35.5 Ft.		40 Ft.		Load Radius (Ft.)
	\angle °	360°	\angle °	360°	
10	68.0	84,100	70.5	80,900	10
12	64.5	76,000	67.5	73,200	12
15	58.5	58,600	62.5	58,000	15
20	48.0	32,900	54.0	32,700	20
25	34.5	21,400	43.5	21,300	25
30			31.0	14,800	30
Min.Bm. Ang./Cap.	0.0 (30.0)	14,800	0.0 (34.5)	10,800	Min.Bm. Ang./Cap.

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

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

not for crane operations

Load Radius (Ft.)		35.5 Ft.		40 Ft.		50 Ft.		Load Radius (Ft.)
		\angle °	360°	\angle °	360°	\angle °	360°	
10	68.0	84,100	70.5	37,900	74.5	37,900	10	
12	64.5	76,000	67.5	37,900	72.5	37,900	12	
15	58.5	58,600	62.5	37,900	69.0	37,900	15	
20	48.0	32,900	54.0	33,400	62.0	34,000	20	
25	34.5	21,400	43.5	21,900	55.5	22,600	25	
30			31.0	15,400	47.5	16,100	30	
35					38.5	11,900	35	
40					27.5	8,900	40	
Min.Bm. Ang./Cap.	0.0 (30.0)	14,800	0.0 (34.5)	11,400	0.0 (44.5)	6,900	Min.Bm. Ang./Cap.	

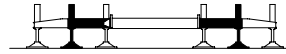
Load Radius (Ft.)		60 Ft.		70 Ft.		80 Ft.		Load Radius (Ft.)
		\angle °	360°	\angle °	360°	\angle °	360°	
10	77.5	37,900	78.0*	37,900			10	
12	76.0	37,900	76.0	37,900	78.0*	35,400	12	
15	73.0	37,900	71.5	34,500	74.5	34,600	15	
20	67.5	34,300	67.0	23,100	70.5	23,300	20	
25	62.0	22,900	62.0	16,700	66.5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

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

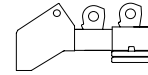
*This Capacity Based On Maximum Obtainable Boom Angle.

not for crane operations

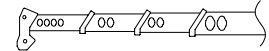
**Rated Lifting Capacities
In Pounds**



INTERMEDIATE OUTRIGGERS



11,500# CTWT



**MAIN BOOM
"B"**

Load Radius (Ft.)	90 Ft.		100 Ft.		110 Ft.		Load Radius (Ft.)
	\angle °	360°	\angle °	360°	\angle °	360°	
20	77.0	28,900					20
25	73.5	23,400	76.0	23,300	77.5	19,500	25
30	69.5	16,900	72.5	17,000	75.0	17,000	30
35	66.0	12,700	69.0	12,800	71.5	12,900	35
40	62.5	9,900	66.0	10,000	68.5	10,000	40
45	58.5	7,800	62.5	7,800	65.5	7,900	45
50	54.5	6,100	59.0	6,200	62.5	6,300	50
55	50.0	4,800	55.5	4,900	59.5	5,000	55
60	45.5	3,700	51.5	3,800	56.0	3,900	60
65	40.5	2,800	47.5	2,900	52.5	3,000	65
70	35.0	2,100	43.5	2,200	49.0	2,200	70
75	29.0	1,400	38.5	1,500	45.5	1,600	75
Min.Bm. Ang./Cap.	24.5 (77.6)		35.0 (78.6)		41.5 (79.6)		Min.Bm. Ang./Cap.



WARNING

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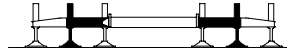
() Reference Radius for Min. Boom Angle Capacities (Shown In Parenthesis) Are In Feet.

not for crane operations

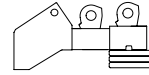
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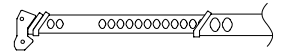
**Rated Lifting Capacities
In Pounds**



INTERMEDIATE OUTRIGGERS



15,100# CTWT



**MAIN BOOM
"A"**

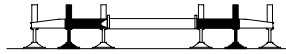
Load Radius (Ft.)	35.5 Ft.		40 Ft.		Load Radius (Ft.)
	\angle °	360°	\angle °	360°	
10	68.0	84,100	70.5	80,900	10
12	64.5	76,000	67.5	73,200	12
15	58.5	65,100	62.5	63,600	15
20	48.0	36,900	54.0	36,700	20
25	34.5	24,300	43.5	24,100	25
30			31.0	17,000	30
Min.Bm. Ang./Cap.	0.0 (30.0)	17,000	0.0 (34.5)	12,700	Min.Bm. Ang./Cap.

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

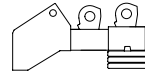
() Reference Radius For Min. Boom Angle Capacities (Shown in Parenthesis) Are In Feet.

not for crane operations

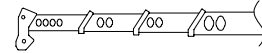
**Rated Lifting Capacities
In Pounds**



INTERMEDIATE OUTRIGGERS



15,100# CTWT



**MAIN BOOM
"B"**

Load Radius (Ft.)	35.5 Ft.		40 Ft.		50 Ft.		Load Radius (Ft.)
	\angle °	360°	\angle °	360°	\angle °	360°	
10	68.0	84,100	70.5	37,900	74.5	37,900	10
12	64.5	76,000	67.5	37,900	72.5	37,900	12
15	58.5	65,100	62.5	37,900	69.0	37,900	15
20	48.0	36,900	54.0	37,500	62.5	37,900	20
25	34.5	24,300	43.5	24,800	55.5	25,500	25
30			31.0	17,700	47.5	18,400	30
35					38.5	13,700	35
40					27.5	10,500	40
Min.Bm. Ang./Cap.	0.0 (30.0)	17,000	0.0 (34.5)	13,300	0.0 (44.5)	8,300	Min.Bm. Ang./Cap.

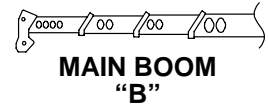
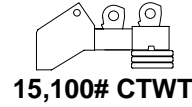
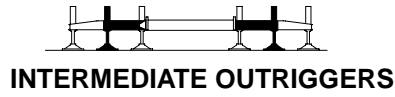
Load Radius (Ft.)	60 Ft.		70 Ft.		80 Ft.		Load Radius (Ft.)
	\angle °	360°	\angle °	360°	\angle °	360°	
10	77.5	37,900		37,900			10
12	76.0	37,900	78.0*	37,900			12
15	73.0	37,900	76.0	37,900	78.0*	35,400	15
20	67.5	37,900	71.5	37,900	74.5	34,700	20
25	62.0	25,800	67.0	26,000	70.5	26,100	25
30	56.5	18,800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

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

* This Capacity Based On Maximum Obtainable Boom Angle.

not for crane operations

**Rated Lifting Capacities
In Pounds**



Load Radius (Ft.)	90 Ft.		100 Ft.		110 Ft.		Load Radius (Ft.)
	\angle °	360°	\angle °	360°	\angle °	360°	
20	77.0	28,900					20
25	73.5	26,200	76.0	24,000	77.5	19,500	25
30	70.0	19,200	72.5	19,200	75.0	19,300	30
35	66.0	14,600	69.5	14,700	72.0	14,700	35
40	62.5	11,500	66.0	11,600	69.0	11,600	40
45	58.5	9,200	62.5	9,200	66.0	9,300	45
50	54.5	7,300	59.0	7,400	63.0	7,500	50
55	50.5	5,900	55.5	6,000	59.5	6,100	55
60	46.0	4,700	51.5	4,800	56.5	4,900	60
65	41.0	3,700	48.0	3,800	53.0	3,900	65
70	35.5	2,900	43.5	3,000	49.5	3,100	70
75	29.0	2,200	39.0	2,300	45.5	2,400	75
80	20.5	1,600	33.5	1,700	41.5	1,800	80
85			27.5	1,200	37.0	1,200	85
Min.Bm. Ang./Cap.	0.0 (84.5)	1,100	26.0 (86.1)		35.0 (86.9)		Min.Bm. Ang./Cap.

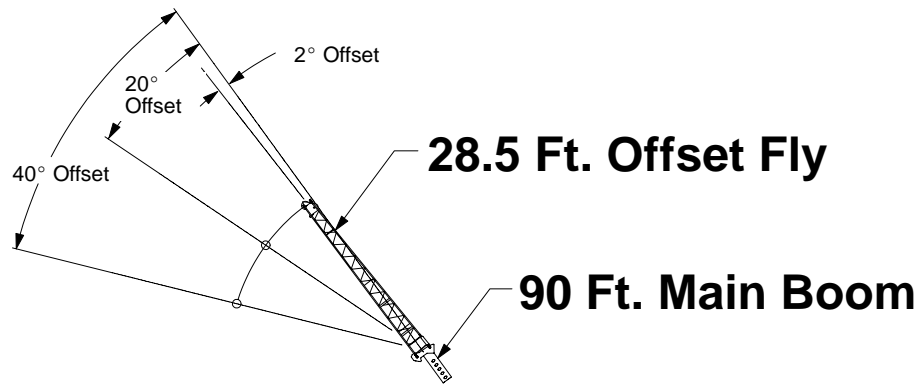


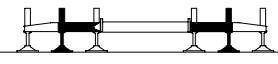
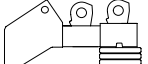
WARNING

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

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

not for crane operations

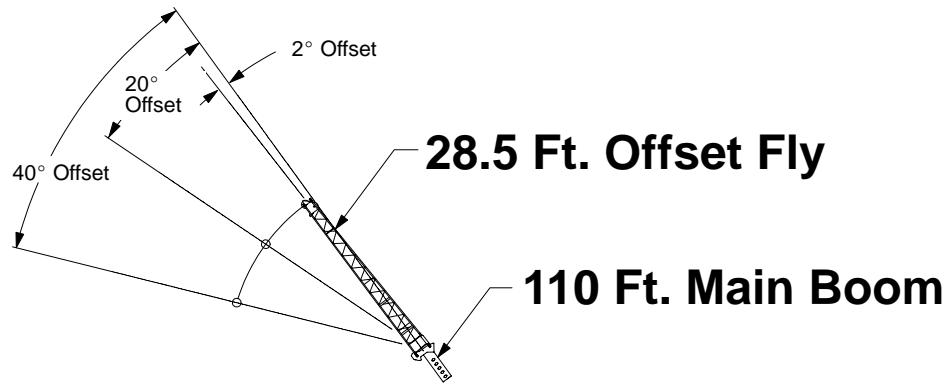


Rated Lifting Capacities In Pounds		 INTERMEDIATE OUTRIGGERS				 15,100# CTWT	
		2° Offset		20° Offset		40° Offset	
Load Radius (Ft.)	\angle °	360°	\angle °	360°	\angle °	360°	Load Radius (Ft.)
	30	77.0	16,900				
35	74.5	14,200					35
40	71.5	12,500	75.5	10,600			40
45	69.0	10,200	73.0	10,100	76.5	7,900	45
50	66.0	8,300	70.5	9,200	73.5	7,700	50
55	63.0	6,900	67.5	7,600	71.0	7,400	55
60	60.0	5,700	64.0	6,300	68.0	6,900	60
65	57.0	4,700	61.0	5,300	64.5	5,700	65
70	53.5	3,800	57.5	4,400	61.0	4,800	70
75	50.5	3,100	54.5	3,600	57.5	3,900	75
80	47.0	2,500	50.5	2,900	53.5	3,200	80
85	43.0	2,000	47.0	2,300	49.5	2,500	85
90	39.0	1,500	43.0	1,800	44.5	2,000	90
95	34.5	1,100	38.0	1,300			95

⚠ WARNING

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

not for crane operations



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

⚠ WARNING

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

* This Capacity Based On Maximum Obtainable Boom Angle.

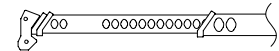
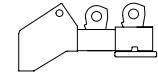
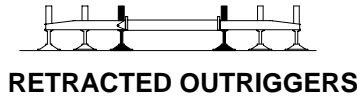
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**Rated Lifting Capacities
In Pounds**



Load Radius (Ft.)	35.5 Ft.		40 Ft.		Load Radius (Ft.)
	\angle°	360°	\angle°	360°	
10	68.0	43,700	70.5	43,200	10
12	64.0	31,300	67.5	30,900	12
15	58.5	20,800	62.5	20,500	15
20	48.0	11,800	53.5	11,700	20
25	34.5	7,100	43.5	6,900	25
30			31.0	4,000	30
Min.Bm. Ang./Cap.	0.0 (30.0)	4,000	0.0 (34.5)	2,000	Min.Bm. Ang./Cap.

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

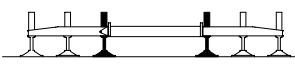
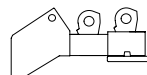
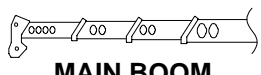


WARNING

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

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

not for crane operations

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

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



WARNING

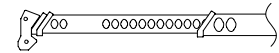
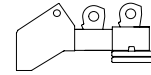
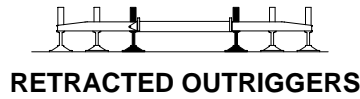
Do Not Lower The Boom Below The Minimum Boom Angle For The Boom Lengths Shown, Since Loss Of Stability Will Occur Causing A Tipping Condition.

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

* This Capacity Based On Maximum Obtainable Boom Angle.

not for crane operations

**Rated Lifting Capacities
In Pounds**



Load Radius (Ft.)	35.5 Ft.		40 Ft.		Load Radius (Ft.)
	\angle °	360°	\angle °	360°	
10	68.0	50,600	70.5	50,000	10
12	64.0	36,400	67.5	36,100	12
15	58.5	24,500	62.5	24,300	15
20	48.0	14,500	53.5	14,300	20
25	34.5	9,100	43.5	8,900	25
30			31.0	5,600	30
Min.Bm. Ang./Cap.	0.0 (30.0)	5,600	0.0 (34.5)	3,400	Min.Bm. Ang./Cap.

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



WARNING

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

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not for crane operations

Load Radius (Ft.)		35.5 Ft.		40 Ft.		50 Ft.		Load Radius (Ft.)
		\angle °	360°	\angle °	360°	\angle °	360°	
10	68.0	50,600	70.5	37,900	74.5	37,900	10	
12	64.0	36,400	67.5	36,800	72.5	37,300	12	
15	58.5	24,500	62.5	25,000	68.5	25,600	15	
20	48.0	14,500	53.5	14,900	62.0	15,500	20	
25	34.5	9,100	43.5	9,500	55.0	10,100	25	
30			31.0	6,200	47.5	6,800	30	
35					38.5	4,500	35	
40					27.0	2,800	40	
Min.Bm. Ang./Cap.	0.0 (30.0)	5,600	0.0 (34.5)	3,900	0.0 (44.5)	1,600	Min.Bm. Ang./Cap.	

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

⚠ WARNING

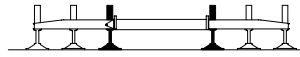
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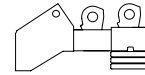
* This Capacity Based On Maximum Obtainable Boom Angle.

not for crane operations

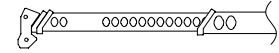
**Rated Lifting Capacities
In Pounds**



RETRACTED OUTRIGGERS



15,100 # CTWT



**MAIN BOOM
"A"**

Load Radius (Ft.)	35.5 Ft.		40 Ft.		Load Radius (Ft.)
	\angle °	360°	\angle °	360°	
10	68.0	57,500	70.5	56,900	10
12	64.0	41,700	67.5	41,300	12
15	58.5	28,400	62.5	28,100	15
20	48.0	17,100	53.5	16,900	20
25	34.5	11,100	43.5	11,000	25
30			31.0	7,200	30
Min.Bm. Ang./Cap.	0.0 (30.0)	7,200	0.0 (34.5)	4,800	Min.Bm. Ang./Cap.



WARNING

Do Not Raise The Boom Above 71 Degrees. Loss Of Backward Stability Will Occur Causing A Tipping Condition.

Load Radius (Ft.)	50 Ft.		60.3 Ft.		Load Radius (Ft.)
	\angle °	360°	\angle °	360°	
15	68.5	27,600			15
20	62.0	16,600	67.5	16,300	20
25	55.0	10,700	62.0	10,500	25
30	47.5	7,000	56.5	6,800	30
35	38.5	4,500	50.5	4,300	35
40	27.5	2,700	43.5	2,500	40
45			35.5	1,100	45
Min.Bm. Ang./Cap.	0.0 (44.5)	1,300	34.0 (46.0)		Min.Bm. Ang./Cap.



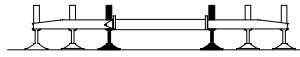
WARNING

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

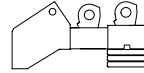
() Reference Radius for Min. Boom Angle Capacities (Shown In Parenthesis) Are In Feet.

not for crane operations

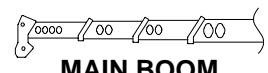
**Rated Lifting Capacities
In Pounds**



RETRACTED OUTRIGGERS



15,100# CTWT



**MAIN BOOM
"B"**

Load Radius (Ft.)	35.5 Ft.		40 Ft.		50 Ft.		Load Radius (Ft.)
	\angle°	360°	\angle°	360°	\angle°	360°	
10	68.0	57,500	70.5	37,900			10
12	64.0	41,700	67.5	37,900			12
15	58.5	28,400	62.5	28,800	68.5	29,400	15
20	48.0	17,100	53.5	17,500	62.0	18,100	20
25	34.5	11,100	43.5	11,500	55.0	12,100	25
30			31.0	7,800	47.5	8,400	30
35					38.5	5,900	35
40					27.5	4,000	40
Min.Bm. Ang./Cap.	0.0 (30.0)	7,200	0.0 (34.5)	5,300	0.0 (44.5)	2,600	Min.Bm. Ang./Cap.

! WARNING

Do Not Raise The Boom Above 71 Degrees. Loss Of Backward Stability Will Occur Causing A Tipping Condition.

Load Radius (Ft.)	60 Ft.		70 Ft.		80 Ft.		90 Ft.		Load Radius (Ft.)
	\angle°	360°	\angle°	360°	\angle°	360°	\angle°	360°	
20	67.5	18,500							20
25	62.0	12,500	66.5	12,800	70.0	12,900			25
30	56.0	8,800	61.5	9,100	66.0	9,200	69.0	9,300	30
35	50.0	6,200	57.0	6,500	61.5	6,700	65.5	6,800	35
40	43.0	4,400	51.5	4,600	57.5	4,800	62.0	5,000	40
45	35.0	3,000	46.0	3,200	53.0	3,400	58.0	3,600	45
50	24.5	1,900	39.5	2,100	48.0	2,300	54.0	2,500	50
55			32.5	1,200	43.0	1,400	50.0	1,600	55
Min.Bm. Ang./Cap.	0.0 (54.5)	1,000	27.0 (58.1)		38.0 (59.3)		45.0 (60.2)		Min.Bm. Ang./Cap.

! WARNING

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

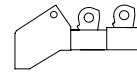
() Reference Radius for Min. Boom Angle Capacities (Shown In Parenthesis) Are In Feet.

not for crane operations

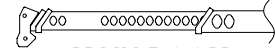
**Rated Lifting Capacities In Pounds
Stationary
Boom Centered Over Rear**



ON TIRES



4,300# CTWT



**MAIN BOOM
"A"**

Load Radius (Ft.)	35.5 Ft.		40 Ft.		Load Radius (Ft.)
	\angle °	Load	\angle °	Load	
10	68.0	43,300			10
12	64.0	43,300	67.5	32,800	12
15	58.5	30,000	62.5	29,800	15
20	48.0	18,700	53.5	18,600	20
25	34.5	12,700	43.5	12,500	25
30			31.0	8,800	30
Min.Bm. Ang./Cap.	0.0 (30.0)	8,800	0.0 (34.5)	6,300	Min.Bm. Ang./Cap.

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



WARNING

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

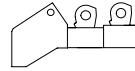
() Reference Radius For Min. Boom Angle Capacities (Shown in Parenthesis) Are In Feet.

not for crane operations

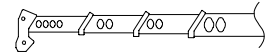
**Rated Lifting Capacities In Pounds
Stationary
Boom Centered Over Rear**



ON TIRES



4,300# CTWT



**MAIN BOOM
"B"**

Load Radius (Ft.)	35.5 Ft.		40 Ft.		50 Ft.		Load Radius (Ft.)
	\angle °	Load	\angle °	Load	\angle °	Load	
10	68.0	43,300					10
12	64.0	43,300	67.5	37,900			12
15	58.5	30,000	62.5	30,400	68.5	19,600	15
20	48.0	18,700	53.5	19,100	62.0	19,600	20
25	34.5	12,700	43.5	13,000	55.0	13,600	25
30			31.0	9,300	47.5	9,800	30
35					38.5	7,200	35
40					27.5	5,300	40
Min.Bm. Ang./Cap.	0.0 (30.0)	8,800	0.0 (34.5)	6,800	0.0 (44.5)	4,000	Min.Bm. Ang./Cap.

Load Radius (Ft.)	60 Ft.		70 Ft.		80 Ft.		Load Radius (Ft.)
	\angle °	Load	\angle °	Load	\angle °	Load	
20	67.5	13,900					20
25	62.0	13,900	66.5	10,400			25
30	56.0	10,100	62.0	10,400	66.0	10,500	30
35	50.0	7,500	57.0	7,800	62.0	7,900	35
40	43.0	5,700	51.5	5,900	57.5	6,000	40
45	35.0	4,200	46.0	4,500	53.0	4,600	45
50	24.5	3,100	39.5	3,300	48.0	3,500	50
55			32.5	2,400	43.0	2,600	55
60			23.0	1,700	37.0	1,800	60
Min.Bm. Ang./Cap.	0.0 (54.5)	2,200	14.0 (63.1)		31.0 (64.5)		Min.Bm. Ang./Cap.



WARNING

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

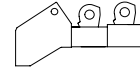
() Reference Radius For Min. Boom Angle Capacities (Shown in Parenthesis) Are In Feet.

not for crane operations

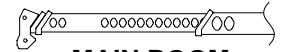
**Rated Lifting Capacities In Pounds
Pick & Carry – 1 MPH
Boom Centered Over Rear**



ON TIRES



4,300# CTWT



**MAIN BOOM
"A"**

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

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



WARNING

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

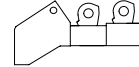
() Reference Radius For Min. Boom Angle Capacities (Shown in Parenthesis) Are In Feet.

not for crane operations

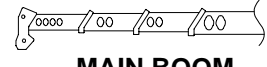
**Rated Lifting Capacities In Pounds
Pick & Carry – 1 MPH
Boom Centered Over Rear**



ON TIRES



4,300# CTWT



**MAIN BOOM
"B"**

Load Radius (Ft.)	35.5 Ft.		40 Ft.		50 Ft.		Load Radius (Ft.)
	\angle °	Load	\angle °	Load	\angle °	Load	
10	68.0	36,200					10
12	64.0	33,000	67.5	33,100			12
15	58.5	28,800	62.5	29,000	68.5	19,600	15
20	48.0	18,700	53.5	19,100	62.0	19,600	20
25	34.5	12,700	43.5	13,000	55.0	13,600	25
30			31.0	9,300	47.5	9,800	30
35					38.5	7,200	35
40					27.5	5,300	40
Min.Bm. Ang./Cap.	0.0 (30.0)	8,800	0.0 (34.5)	6,800	0.0 (44.5)	4,000	Min.Bm. Ang./Cap.

Load Radius (Ft.)	60 Ft.		70 Ft.		80 Ft.		Load Radius (Ft.)
	\angle °	Load	\angle °	Load	\angle °	Load	
20	67.5	13,900					20
25	62.0	13,900	66.5	10,400			25
30	56.0	10,100	62.0	10,400	66.0	10,500	30
35	50.0	7,500	57.0	7,800	62.0	7,900	35
40	43.0	5,700	51.5	5,900	57.5	6,000	40
45	35.0	4,200	46.0	4,500	53.0	4,600	45
50	24.5	3,100	39.5	3,300	48.0	3,500	50
55			32.5	2,400	43.0	2,600	55
60			23.0	1,700	37.0	1,800	60
Min.Bm. Ang./Cap.	0.0 (54.5)	2,200	14.0 (63.1)		31.0 (64.5)		Min.Bm. Ang./Cap.



WARNING

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

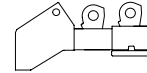
() Reference Radius For Min. Boom Angle Capacities (Shown in Parenthesis) Are In Feet.

not for crane operations

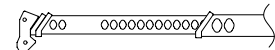
**Rated Lifting Capacities In Pounds
Stationary
Boom Centered Over Rear**



ON TIRES



7,900# CTWT



**MAIN BOOM
"A"**

Load Radius (Ft.)	35.5 Ft.		40 Ft.		Load Radius (Ft.)
	\angle °	Load	\angle °	Load	
10	68.0	49,000			10
12	64.0	44,800	67.5	33,300	12
15	58.5	33,500	62.5	33,300	15
20	48.0	21,200	53.5	21,000	20
25	34.5	14,500	43.5	14,400	25
30			31.0	10,300	30
Min.Bm. Ang./Cap.	0.0 (30.0)	10,300	0.0 (34.5)	7,600	Min.Bm. Ang./Cap.

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



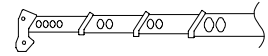
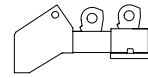
WARNING

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

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

not for crane operations

**Rated Lifting Capacities In Pounds
Stationary
Boom Centered Over Rear**



ON TIRES

7,900# CTWT

**MAIN BOOM
"B"**

Load Radius (Ft.)	35.5 Ft.		40 Ft.		50 Ft.		Load Radius (Ft.)
	∠ °	Load	∠ °	Load	∠ °	Load	
10	68.0	49,000					10
12	64.0	44,800	67.5	37,900			12
15	58.5	33,500	62.5	33,900	68.5	22,100	15
20	48.0	21,200	53.5	21,500	62.0	22,100	20
25	34.5	14,500	43.5	14,900	55.0	15,400	25
30			31.0	10,800	47.5	11,300	30
35					38.5	8,500	35
40					27.5	6,400	40
Min.Bm. Ang./Cap.	0.0 (30.0)	10,300	0.0 (34.5)	8,100	0.0 (44.5)	4,900	Min.Bm. Ang./Cap.

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



WARNING

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

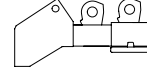
() Reference Radius For Min. Boom Angle Capacities (Shown in Parenthesis) Are In Feet.

not for crane operations

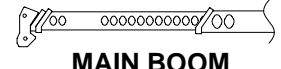
**Rated Lifting Capacities In Pounds
Pick & Carry – 1 MPH
Boom Centered Over Rear**



ON TIRES



7,900# CTWT



**MAIN BOOM
"A"**

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

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



WARNING

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

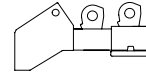
() Reference Radius For Min. Boom Angle Capacities (Shown in Parenthesis) Are In Feet.

not for crane operations

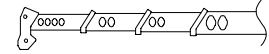
**Rated Lifting Capacities In Pounds
Pick & Carry – 1 MPH
Boom Centered Over Rear**



ON TIRES



7,900# CTWT



**MAIN BOOM
"B"**

Load Radius (Ft.)	35.5 Ft.		40 Ft.		50 Ft.		Load Radius (Ft.)
	∠ °	Load	∠ °	Load	∠ °	Load	
10	68.0	36,200					10
12	64.0	33,000	67.5	33,100			12
15	58.5	28,800	62.5	29,000	68.5	22,100	15
20	48.0	21,200	53.5	21,500	62.0	22,100	20
25	34.5	14,500	43.5	14,900	55.0	15,400	25
30			31.0	10,800	47.5	11,300	30
35					38.5	8,500	35
40					27.5	6,400	40
Min.Bm. Ang./Cap.	0.0 (30.0)	10,300	0.0 (34.5)	8,100	0.0 (44.5)	4,900	Min.Bm. Ang./Cap.

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



WARNING

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

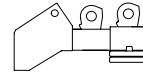
() Reference Radius For Min. Boom Angle Capacities (Shown in Parenthesis) Are In Feet.

not for crane operations

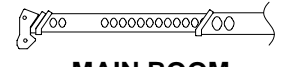
**Rated Lifting Capacities In Pounds
Stationary
Boom Centered Over Rear**



ON TIRES



11,500# CTWT



**MAIN BOOM
"A"**

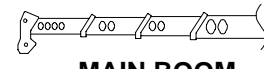
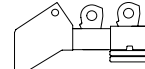
Load Radius (Ft.)	35.5 Ft.		40 Ft.		Load Radius (Ft.)
	\angle °	Load	\angle °	Load	
10	68.0	49,000			10
12	64.0	44,800	67.5	36,800	12
15	58.5	37,000	62.5	36,800	15
20	48.0	23,600	53.5	23,400	20
25	34.5	16,400	43.5	16,200	25
30			31.0	11,800	30
Min.Bm. Ang./Cap.	0.0 (30.0)	11,800	0.0 (34.5)	8,900	Min.Bm. Ang./Cap.

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

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

not for crane operations

**Rated Lifting Capacities In Pounds
Stationary
Boom Centered Over Rear**



ON TIRES

11,500# CTWT

**MAIN BOOM
"B"**

Load Radius (Ft.)	35.5 Ft.		40 Ft.		50 Ft.		Load Radius (Ft.)
	\angle °	Load	\angle °	Load	\angle °	Load	
10	68.0	49,000					10
12	64.0	44,800	67.5	37,900			12
15	58.5	37,000	62.5	37,400	68.5	24,500	15
20	48.0	23,600	53.5	23,900	62.0	24,500	20
25	34.5	16,400	43.5	16,700	55.0	17,300	25
30			31.0	12,300	47.5	12,800	30
35					38.5	9,700	35
40					27.5	7,500	40
Min.Bm. Ang./Cap.	0.0 (30.0)	11,800	0.0 (34.5)	9,400	0.0 (44.5)	5,900	Min.Bm. Ang./Cap.

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

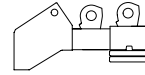
() Reference Radius For Min. Boom Angle Capacities (Shown in Parenthesis) Are In Feet.

not for crane operations

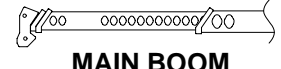
Rated Lifting Capacities In Pounds
Pick & Carry – 1 MPH
Boom Centered Over Rear



ON TIRES



11,500# CTWT



MAIN BOOM
“A”

Load Radius (Ft.)	35.5 Ft.		40 Ft.		Load Radius (Ft.)
	\angle °	Load	\angle °	Load	
10	68.0	36,200			10
12	64.0	32,900	67.5	32,800	12
15	58.5	28,800	62.5	28,700	15
20	48.0	23,500	53.5	23,400	20
25	34.5	16,400	43.5	16,200	25
30			31.0	11,800	30
Min.Bm. Ang./Cap.	0.0 (30.0)	11,800	0.0 (34.5)	8,900	Min.Bm. Ang./Cap.

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

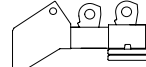
() Reference Radius For Min. Boom Angle Capacities (Shown in Parenthesis) Are In Feet.

not for crane operations

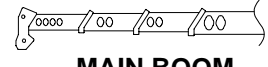
**Rated Lifting Capacities In Pounds
Pick & Carry – 1 MPH
Boom Centered Over Rear**



ON TIRES



11,500# CTWT



**MAIN BOOM
"B"**

Load Radius (Ft.)	35.5 Ft.		40 Ft.		50 Ft.		Load Radius (Ft.)
	\angle °	Load	\angle °	Load	\angle °	Load	
10	68.0	36,200					10
12	64.0	32,900	67.5	33,100			12
15	58.5	28,800	62.5	29,000	68.5	24,000	15
20	48.0	23,500	53.5	23,700	62.0	24,000	20
25	34.5	16,400	43.5	16,700	55.0	17,300	25
30			31.0	12,300	47.5	12,800	30
35					38.5	9,700	35
40					27.5	7,500	40
Min.Bm. Ang./Cap.	0.0 (30.0)	11,800	0.0 (34.5)	9,400	0.0 (44.5)	5,900	Min.Bm. Ang./Cap.

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

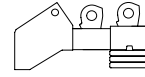
() Reference Radius For Min. Boom Angle Capacities (Shown in Parenthesis) Are In Feet.

not for crane operations

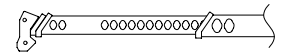
**Rated Lifting Capacities In Pounds
Stationary
Boom Centered Over Rear**



ON TIRES



15,100 # CTWT



**MAIN BOOM
"A"**

Load Radius (Ft.)	35.5 Ft.		40 Ft.		Load Radius (Ft.)
	\angle °	Load	\angle °	Load	
10	68.0	49,000			10
12	64.0	44,800	67.5	44,700	12
15	58.5	39,600	62.5	39,400	15
20	48.0	26,000	54.0	25,800	20
25	34.5	18,200	43.5	18,100	25
30			31.0	13,300	30
Min.Bm. Ang./Cap.	0.0 (30.0)	13,300	0.0 (34.5)	10,200	Min.Bm. Ang./Cap.

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

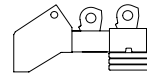
() Reference Radius For Min. Boom Angle Capacities (Shown in Parenthesis) Are In Feet.

not for crane operations

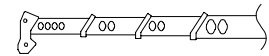
**Rated Lifting Capacities In Pounds
Stationary
Boom Centered Over Rear**



ON TIRES



15,100 # CTWT



**MAIN BOOM
"B"**

Load Radius (Ft.)	35.5 Ft.		40 Ft.		50 Ft.		Load Radius (Ft.)
	\angle °	Load	\angle °	Load	\angle °	Load	
10	68.0	49,000					10
12	64.0	44,800	67.5	37,900			12
15	58.5	39,600	62.5	37,900	68.5	29,200	15
20	48.0	26,000	54.0	26,300	62.0	26,900	20
25	34.5	18,200	43.5	18,600	55.0	19,100	25
30			31.0	13,800	47.5	14,300	30
35					38.5	11,000	35
40					27.5	8,600	40
Min.Bm. Ang./Cap.	0.0 (30.0)	13,300	0.0 (34.5)	10,700	0.0 (44.5)	6,900	Min.Bm. Ang./Cap.

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

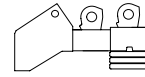
() Reference Radius For Min. Boom Angle Capacities (Shown in Parenthesis) Are In Feet.

not for crane operations

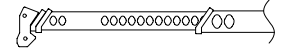
Rated Lifting Capacities In Pounds
Pick & Carry – 1 MPH
Boom Centered Over Rear



ON TIRES



15,100 # CTWT



MAIN BOOM
“A”

Load Radius (Ft.)	35.5 Ft.		40 Ft.		Load Radius (Ft.)
	\angle °	Load	\angle °	Load	
10	68.0	36,100			10
12	64.0	32,900	67.5	32,800	12
15	58.5	28,800	62.5	28,700	15
20	48.0	23,500	53.5	23,400	20
25	34.5	18,200	43.5	18,100	25
30			31.0	13,300	30
Min.Bm. Ang./Cap.	0.0 (30.0)	13,300	0.0 (34.5)	10,200	Min.Bm. Ang./Cap.

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

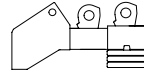
() Reference Radius For Min. Boom Angle Capacities (Shown in Parenthesis) Are In Feet.

not for crane operations

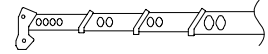
**Rated Lifting Capacities In Pounds
Pick & Carry – 1 MPH
Boom Centered Over Rear**



ON TIRES



15,100 # CTWT



**MAIN BOOM
"B"**

Load Radius (Ft.)	35.5 Ft.		40 Ft.		50 Ft.		Load Radius (Ft.)
	\angle °	Load	\angle °	Load	\angle °	Load	
10	68.0	36,100					10
12	64.0	32,900	67.5	33,100			12
15	58.5	28,800	62.5	29,000	68.5	29,200	15
20	48.0	23,500	53.5	23,700	62.0	24,000	20
25	34.5	18,200	43.5	18,600	55.0	19,100	25
30			31.0	13,800	47.5	14,300	30
35					38.5	11,000	35
40					27.5	8,600	40
Min.Bm. Ang./Cap.	0.0 (30.0)	13,300	0.0 (34.5)	10,700	0.0 (44.5)	6,900	Min.Bm. Ang./Cap.

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

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

not for crane operations