

SERIAL NUMBER:

XXXX-XXXX

CRANE RATING MANUAL 75RT

**TELESCOPIC BOOM ROUGH TERRAIN CRANE
38'- 142' FIVE SECTION FULL POWER BOOM**

For Replacement, Order Part Number: T5P0044
(020617)

Link-Belt®
CONSTRUCTION EQUIPMENT

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WARNING

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

Operating Instructions

General:

1. Rated lifting capacities in pounds as shown on lift charts pertain to this crane as originally manufactured and normally equipped by Link-Belt Construction Equipment Company (LBCE). Modifications to the crane or use of optional equipment other than that specified can result in a reduction in capacity.
2. Construction equipment can be dangerous if improperly operated or maintained. Operation and maintenance of this crane must be in compliance with the information in the Operator's, Parts, and Safety Manuals supplied with this crane. If these manuals are missing, order replacements through the distributor.
3. The operator and other personnel associated with this crane shall read and fully understand the latest applicable American National Standards Institute (ANSI) and American Society of Mechanical Engineers (ASME) safety standards for cranes.
4. All rated lifting capacities listed in this Crane Rating Manual are in compliance with ANSI/ASME B30.5, SAE J1063, and SAE J765 in effect at the time of manufacture.
5. 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 equally or in accordance with the V-CALC. (Variable Confined Area Lifting Capacities). Refer to Operator's Manual.
3. When making lifts on tires, they must be inflated to the recommended pressure. (See "Tire Inflation".)
4. Loss of backward stability can occur causing a backward tipping condition. Refer to "Backward Stability" before operating crane.
5. For required parts of line, see "Wire Rope Capacity Chart" and "Winch Performance".
6. Before setting up the crane, refer to "Allowable Crane Configurations" and rated lifting capacities to determine allowable crane configurations.

Operation:

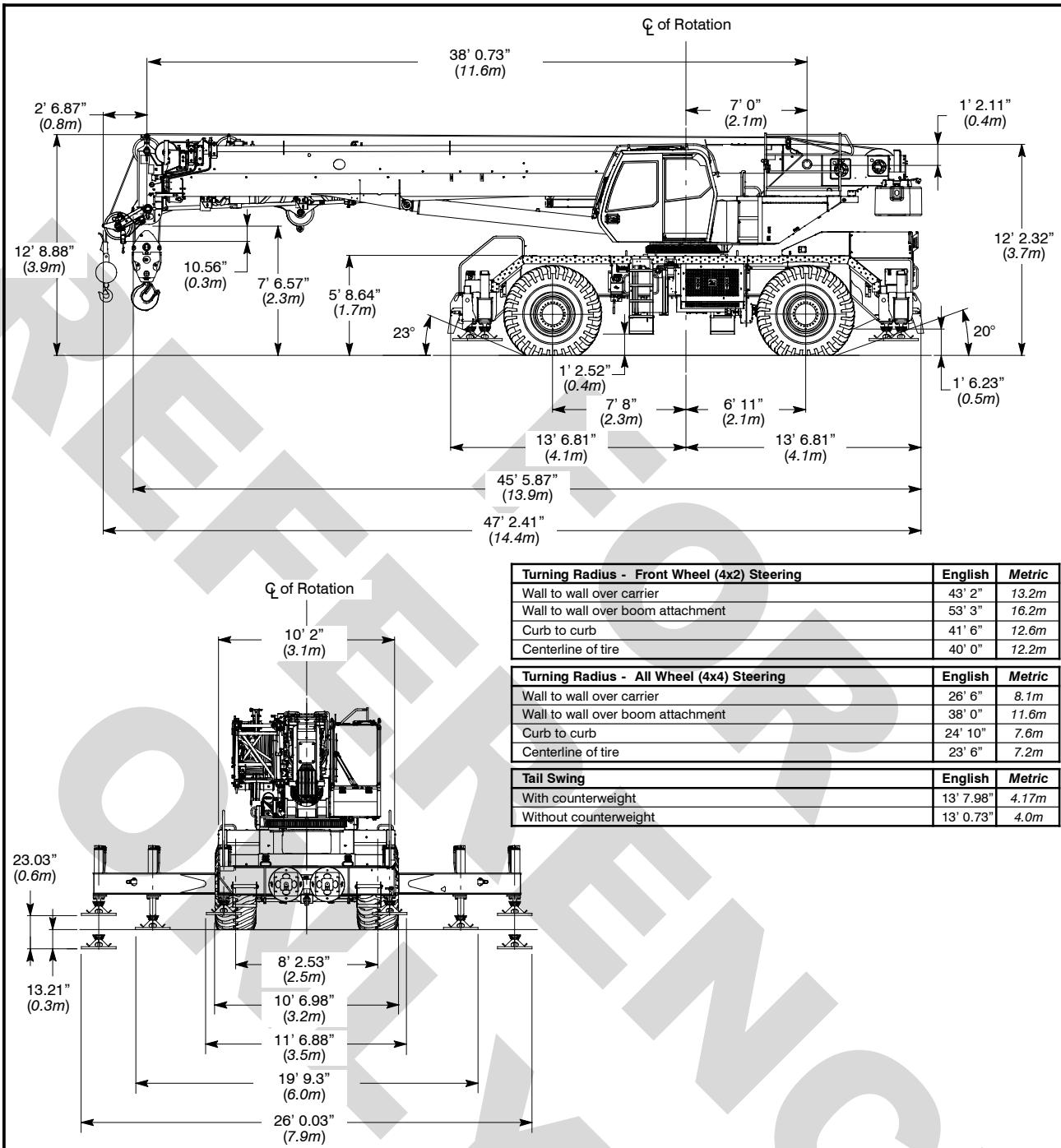
1. Rated lifting capacities at rated radius shall not be exceeded. Do not tip the crane to determine allowable loads.
2. Rated lifting capacities shall be reduced for repetitive lift applications. For concrete bucket operation, weight of bucket and load shall not exceed 80% of rated load. For duty cycle operation, such as loading and unloading, maximum allowable load shall not exceed 70% of rated load. For clamshell and magnet operation, weight of bucket, or magnet, and load shall not exceed 70% of rated load. Lifts with fly erected are prohibited for clamshell and magnet operation.
3. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads. Rated lifting capacities shown on intermediate extended or fully retracted outriggers are determined by the formula, rated load = (tipping load - 0.1 X load factor)/1.25. Rated lifting capacities shown on tires do not exceed 75% of the tipping loads.
4. Rated lifting capacities in the shaded areas are governed by factors other than those that would cause a tipping condition.
5. Rated lifting capacities must deduct the weight of the hook block, hook ball, slings, bucket, magnet, auxiliary lifting devices, etc. to obtain the net load that can be lifted. Their weights are considered part of the lifted load. Rated lifting capacities include the deduct for fly stowed on the base of the boom. For deducts of any fly erected, but not used, see "Capacity Deductions".
6. Rated lifting capacities are based on freely suspended loads. No attempt shall be made to move a load horizontally on the ground in any direction.
7. Rated lifting capacities are for lift crane service only.
8. Do not operate at radii or boom lengths (minimum or maximum) where capacities are not listed. At these positions, the crane can tip or cause boom failure.
9. The maximum loads which can be telescoped are not definable because of variation in loadings and crane maintenance, but it is permissible to attempt retraction and extension within the limits of the applicable load rating chart.

10. Rated lifting capacities are determined by radius and boom length. 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 and/or fly is dangerous and shall be avoided.
12. Rated lifting capacities do not account for the effects of excessive wind on a suspended load or boom. See "Wind Restrictions" chart for allowed wind speed operation and appropriate capacity reduction.
13. 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.
14. Heat from the sun only on one side of the boom may cause a temperature differential between the sides of the boom. The thermal effects may cause the boom to distort (bend to one side) creating a side load on the boom and/or fly. Side loading is dangerous and shall be avoided. Refer to the Operator's Manual for more instructions.
15. For auxiliary lifting sheave capacities, use main boom charts minus auxiliary lifting sheave deduct. (See "Capacity Deductions".) The effective length of the boom increases by 2'.
16. The auxiliary lifting sheave can come in contact with the rope of the erected 10' fly at 2° offset if the boom is higher than 70° boom angle.
17. Rated lifting capacities are based on correct reeving. A deduction must be made for excessive reeving. Any reeving over minimum required is considered excessive and must be accounted for when making lifts. Use the Working Range Diagram to estimate the extra length of rope, then deduct the required rope weight (listed on the Wire Rope Capacity Chart) for the extra length of wire rope before attempting to lift a load.
18. The boom angle before loading should be greater to account for deflection. Some capacities are limited by a maximum obtainable 80° boom angle.
19. The 38' 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 next boom length.
20. Rated lifting capacities on tires depend on tire capacity, condition of tires, and tire air pressure. On tire capacities require lifting from main boom head only with the crane supported on a smooth, firm, and level surface. Pick and carry operations are restricted to speeds of 2.5 mph and creep. For pick and carry operation, the boom must be centered over the front of the crane with two position travel swing lock engaged and the load must be restrained from swinging. Lifts on tires with fly erected are prohibited. For correct tire pressure, see "Tire Inflation".

Definitions:

1. **Loaded Boom Angle In Degrees:** The angle between the boom base section and horizontal with freely suspended load at the rated radius.
2. **Load Radius:** Horizontal distance from a projection of the axis of rotation to the supporting surface, before loading, to the center of the vertical hoist line or tackle with load applied.
3. **Working Area:** Area measured in a circular arc about the centerline of rotation as shown on the Working Areas Diagram.
4. **Freely Suspended Load:** Load hanging free with no direct external force applied except by the hoist line.
5. **Side Load:** Horizontal side force applied to the lifted load either on the ground or in the air.
6. **No Load Stability Limit:** The radius or boom angle beyond which it is not permitted to position the boom because the crane can overturn without any load on the hook.
7. **Load Factor:** Load applied at the boom tip which gives the same moment effect as the boom mass.
8. **Creep:** Crane movement limited to 200' in a 30 minute period and not to exceed 1 mph maximum speed.

General Dimensions



Tire Inflation

Tire Size	Operation	Tire Pressure (psi)
26.5 X 25 - 32PR	Stationary Creep 2.5 mph	100 100 69

Pontoon Loadings

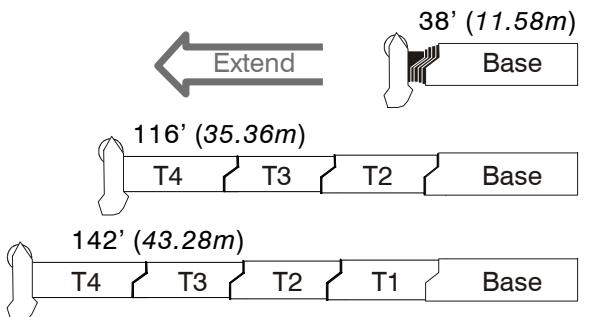
Maximum Pontoon Load (lb)	Maximum Pontoon Ground Bearing Pressure (psi)
93,000	206

Boom Extend Modes

	Boom Length		Telescope Length			
	ft	m	T4	T3	T2	T1
*	38	11.58				
	50	15.24	15%	15%	15%	
*	65	19.81	35%	35%	35%	
	80	24.38	54%	54%	54%	
**	90	27.43	67%	67%	67%	
	95	28.96	73%	73%	73%	
*	116	35.36	100%	100%	100%	
	125	38.10	100%	100%	100%	35%
*	142	43.28	100%	100%	100%	100%
	Boom Length		Telescope Length			
	ft	m	T4	T3	T2	T1
*	38	11.58				
	50	15.24				46%
*	64	19.51				100%
	80	24.38	21%	21%	21%	100%
**	85	25.91	27%	27%	27%	100%
	95	28.96	40%	40%	40%	100%
*	110	33.53	59%	59%	59%	100%
	125	38.10	78%	78%	78%	100%
*	142	43.28	100%	100%	100%	100%



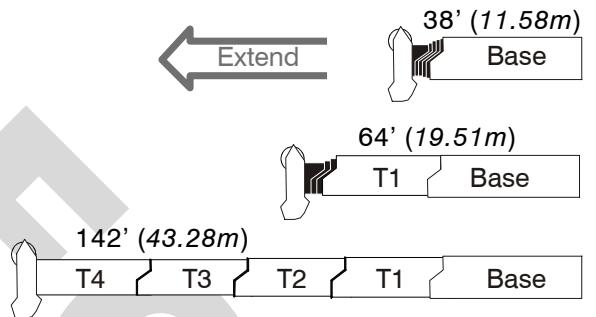
EM 1



142' (43.28m)



EM 2

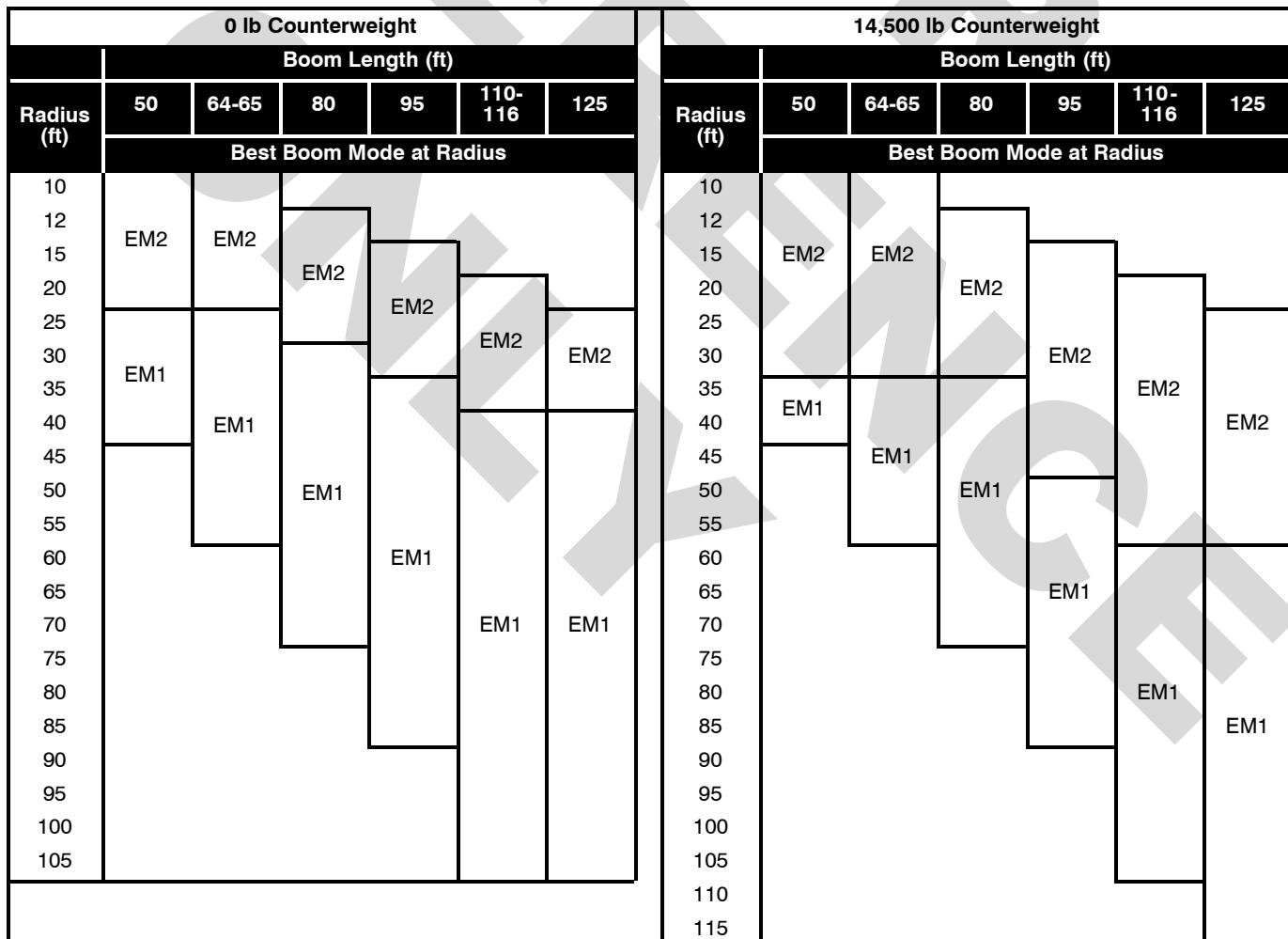


64' (19.51m)

* Denotes boom lengths charted with main boom and 10', 35', or 58' fly capacities.

** Denotes boom lengths charted with 35' or 58' fly capacities only.

Boom Mode Performance - General Reference Guide



Winch Performance

Wire Rope Layer	Winch Line Pulls		Drum Rope Capacity (ft)	
	Two Speed Winch		Layer	Total
	Low Speed	High Speed		
	Available (lb*)	Available (lb)		
1	18,603	7,771	114	114
2	17,103	7,144	124	238
3	15,827	6,611	134	372
4	14,728	6,152	144	516
5	13,772	5,763	154	670

*Maximum lifting capacity: Type KC Rope=16,000 lb, Type YB Rope=16,000 lb, Type CC Rope=17,160 lb

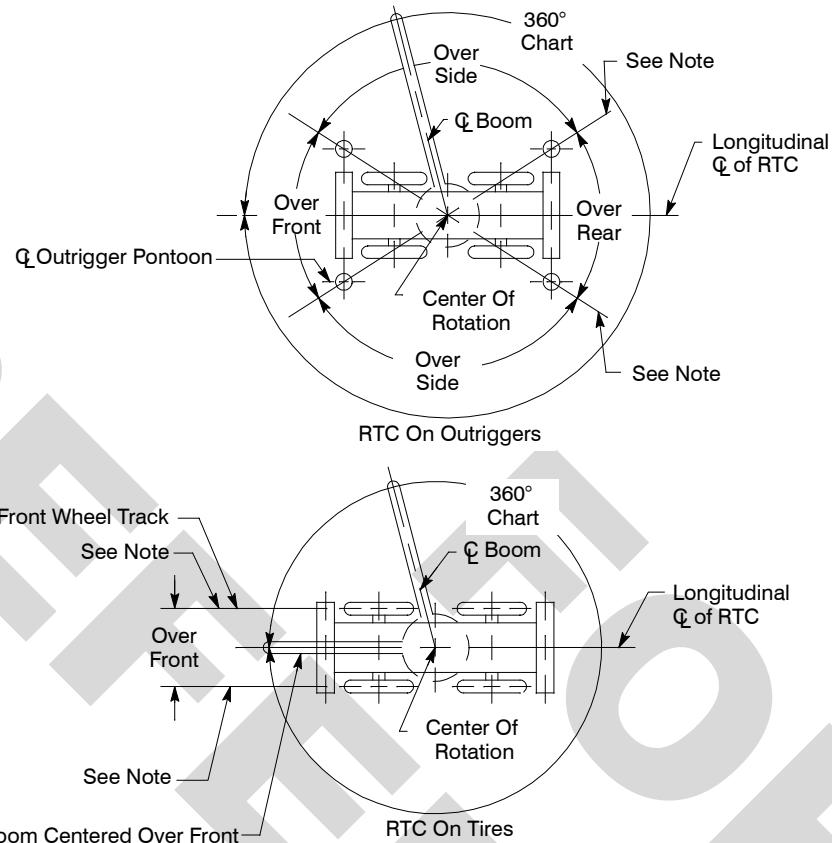
Wire Rope Capacity Chart

Maximum Lifting Capacities Based On Wire Rope Strength				
Parts of Line	19mm	19mm	19mm	Winch Line Pull Fourth Layer
	Type KC	Type YB	Type CC	
1	16,000	16,000	17,160	14,728
2	32,000	32,000	34,320	29,456
3	48,000	48,000	51,480	44,184
4	64,000	64,000	68,640	58,912
5	80,000	80,000	85,800	73,640
6	96,000	96,000	102,960	88,368
7	112,000	112,000	120,120	103,096
8	128,000	128,000	137,280	117,824
9	144,000	144,000	154,440	132,552
10	160,000	160,000	171,600	147,280
Rope Weight - Pounds Per Foot	1.2	1.2	1.2	N/A
LBCE Type	Description			
KC	37 x 7 Rotation Resistant - Non Rotating, Galvanized, Right Lang Lay			
YB	34 x 7 Rotation Resistant - Non Rotating - WSC, Right Lang Lay			
CC	35 x 7 Rotation Resistant - Non Rotating, Right Lang Lay			

Notes:

1. Capacities shown are in pounds and working loads must not exceed the ratings on the capacity charts in this Crane Rating Manual.
2. Capacity deducts for auxiliary lifting devices do not apply for wire rope strength capacities.
3. Consult Operator's Manual for wire rope inspection procedures, single part of line applications, and reeving diagrams.
4. If the wire rope single line pull is greater than the 4th layer winch line pull, the winch could stall when lifting rated loads. It is recommended that the 4th layer winch line pull be used to calculate the required parts of line to make lifts.

Working Areas



Backward Stability - Maximum Boom Angle

A	On Tires	Outrigger Position				
Counterweight (lb)	Side	Front	Rear	Retracted	Intermediate	Full
0	80°					
14,500	68°		80°			80°

Maximum boom angle is based on retracted boom at the least stable over side position.

Capacity Deductions

Load Handling Equipment		Weight (lb)	
27 Ton Quick Reeve 1 Sheave Hook Block (See Hook Block For Actual Weight)		650- 825	
60 Ton Quick Reeve 3 Sheave Hook Block (See Hook Block For Actual Weight)		1,028- 1,380	
88 Ton Quick Reeve 5 Sheave Hook Block (See Hook Block For Actual Weight)		1,421- 1597	
8.5 Ton Hook Ball (See Hook Ball For Actual Weight)		360	
10 Ton Hook Ball (See Hook Ball For Actual Weight)		550	
Auxiliary Lifting Devices		Weight (lb)	
Auxiliary Lifting Sheave Attached		100	
Lifting From Main Boom With:		Boom Length (ft)	
		38 - 99.9 100 - 142	
10', 35', 58' Fly Stowed on Boom Base (See Operation Note 5)		0 0	
10' Offset Fly Erected But Not Used		2,100 1,600	
35' Offset Fly Erected But Not Used		6,300 3,500	
58' Offset Fly Erected But Not Used		11,600 6,400	
Lifting From 10' or 35' Fly With:			
25' Fly Center Erected But Not Used		Prohibited Prohibited	
23' Fly Tip Erected But Not Used		Prohibited Prohibited	
23' Fly Tip Stowed On 35' Fly		Prohibited Prohibited	
Note: Capacity deductions are for Link-Belt supplied equipment only.			

Minimum Hook Block/Ball Overhaul Weight

Parts of Line	Boom Length (ft)									
	38	50	64- 65	80	95	110	116	125	142	
	Minimum Overhaul Weight (lb)									
1	100	125	150	175	175	200	200	225	250	
2	225	250	275	325	350	400	425	425	475	
3	325	375	425	475	550	600	625	650	725	
4	425	500	575	650	725	825	850	900	975	
5	550	625	725	825	925	1,025	1,075	1,125		
6	675	775	900	1,025	1,150					
7	800	900	1,050	1,200						
8	925	1,050	1,225							
9	1,050	1,200								
10	1,200	1,375								
Reeving configurations below the bold line could require more rope than is available.										

Allowable Crane Configurations

		A	Boom Length (ft)		10' Fly		35' Fly	58' Fly
O/R Position	Cwt (lb)		EM1	EM2	EM1	EM2	EM1,EM2	EM1,EM2
Full		0	38- 142	38- 142	38- 142	38- 142	38- 142	PROHIBITED
	A	14,500						38- 142
Intermediate		0	38- 116	38- 95	38- 116	38- 95	PROHIBITED	
	A	14,500	38- 142	38- 142	38- 142	38- 142	38- 142	38- 142
Retracted		0	38- 95	38- 64	PROHIBITED			
	A	14,500	38- 116	38- 110				
On Tires		0	38- 80	38- 64	PROHIBITED			
	A	14,500	38- 95	38- 80				

Wind Restrictions

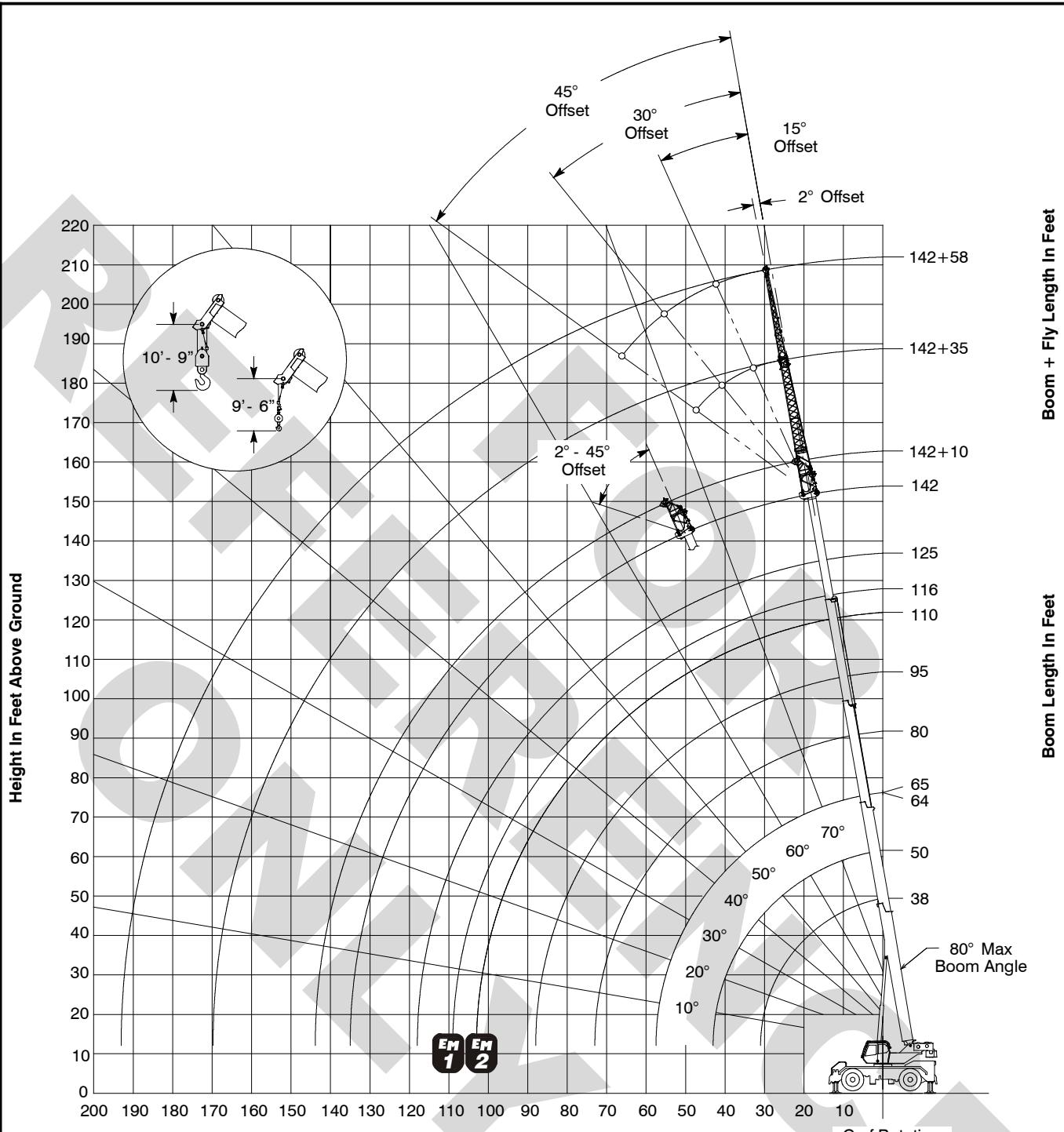
Capacity Reduction	Maximum Wind Speed (mph)					
	Main Boom			10' Fly		
	38' - 79.9'	80' - 109.9'	110' - 142'	38' - 79.9'	80' - 109.9'	110' - 142'
Normal Operation	28	27	21	28	26	20
40%	34	33	30	34	33	29
70%	39	39	39	39	39	39
Prohibited	40+	40+	40+	40+	40+	40+

Capacity Reduction	Maximum Wind Speed (mph)					
	35' Fly			58' Fly		
	38' - 79.9'	80' - 109.9'	110' - 142'	38' - 79.9'	80' - 109.9'	110' - 142'
Normal Operation	26	24	17	25	22	16
40%	33	32	25	32	31	24
70%	39	39	33	39	39	31
Prohibited	40+	40+	34+	40+	40+	32+

Notes:

- Additional reductions are required for loads with large wind sail area.
- When wind speed for normal operation is exceeded, the operator shall add 10° to all minimum boom angles due to no load stability and shall not boom down below that angle.

Working Range Diagram



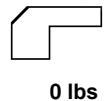
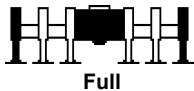
Note: Boom and fly geometry shown are for unloaded condition and crane standing level on firm supporting surface. Boom deflection, subsequent radius, and boom angle change must be accounted for when applying load to hook.



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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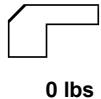
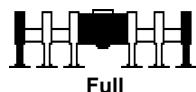


Radius (ft)	Boom Length (ft)							
	38		50		65		80	
	360°	Front	360°	Front	360°	Front	360°	Front
10	128,500	131,000	46,000	46,000	45,100	45,100		
12	114,900	117,100	46,000	46,000	45,100	45,100	44,900	44,900
15	96,800	96,800	46,000	46,000	45,100	45,100	44,900	44,900
20	70,500	70,500	46,000	46,000	45,100	45,100	44,900	44,900
25	47,900	51,800	46,000	46,000	45,100	45,100	44,900	44,900
30	31,500	34,300	34,000	36,900	35,600	38,400	36,500	39,300
35			24,700	26,900	26,100	28,300	27,000	29,200
40			18,600	20,400	20,000	21,800	20,800	22,600
45					15,800	17,300	16,500	18,000
50					12,700	14,000	13,400	14,700
55					10,200	11,300	11,000	12,100
60							9,000	10,100
65							7,400	8,400
70							6,100	7,000
Min Angle	0.0		0.0		0.0		0.0	
Max Rad. Capacity	31.0	24,200	43.0	15,800	58.0	10,000	73.0	6,300

1010010

Radius (ft)	Boom Length (ft)							
	95		116		125		142	
	360°	Front	360°	Front	360°	Front	360°	Front
20	37,900	37,900						
25	33,100	33,100	27,400	27,400	25,000	25,000		
30	29,300	29,300	24,300	24,300	25,000	25,000	20,200	20,200
35	26,100	26,100	21,800	21,800	22,700	22,700	20,200	20,200
40	21,300	23,100	19,600	19,600	20,600	20,600	19,600	20,200
45	17,000	18,500	17,400	17,800	16,600	18,100	15,500	16,900
50	13,900	15,200	14,300	15,600	13,600	14,900	12,400	13,700
55	11,400	12,600	11,800	13,000	11,100	12,300	10,000	11,200
60	9,500	10,500	9,900	11,000	9,200	10,200	8,100	9,200
65	7,900	8,900	8,300	9,300	7,600	8,600	6,600	7,500
70	6,600	7,500	7,000	7,900	6,300	7,200	5,300	6,200
75	5,500	6,300	5,900	6,700	5,200	6,000	4,200	5,000
80	4,600	5,300	5,000	5,700	4,300	5,100	3,300	4,000
85	3,700	4,400	4,200	4,900	3,500	4,200	2,500	3,200
90			3,500	4,100	2,800	3,500	1,800	2,500
95				2,800	3,400	2,200	2,800	1,200
100				2,300	2,800	1,700	2,200	1,800
105				1,800	2,300	1,200	1,700	
Min Angle	0.0		0.0		26.0		46.0	
Max Rad. Capacity	88.0	4,000	109.0	2,000	107.6	0	97.2	0

1010010



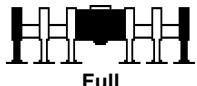
Radius (ft)	Boom Length (ft)							
	38		50		64		80	
	360°	Front	360°	Front	360°	Front	360°	Front
10	128,500	131,000	96,700	96,700	61,000	61,000		
12	114,900	117,100	96,700	96,700	61,000	61,000	45,000	45,000
15	96,800	96,800	95,700	95,700	61,000	61,000	45,000	45,000
20	70,500	70,500	69,600	69,600	61,000	61,000	45,000	45,000
25	47,900	51,800	45,900	49,700	44,400	48,200	45,000	45,000
30	31,500	34,300	30,100	32,800	28,800	31,700	31,200	34,000
35			21,100	23,300	20,000	22,200	22,200	24,400
40			15,200	17,000	14,400	16,100	16,300	18,100
45					10,400	11,900	12,300	13,900
50					7,500	8,800	9,300	10,700
55					5,100	6,300	7,000	8,200
60							5,200	6,300
65							3,700	4,700
70							2,400	3,300
Min Angle	0.0		0.0		0.0		0.0	
Max Rad. Capacity	31.0		43.0		57.0		73.0	
	24,200	24,200	12,400	14,100	4,200	5,400	1,700	2,600

1010020

Radius (ft)	Boom Length (ft)							
	95		110		125		142	
	360°	Front	360°	Front	360°	Front	360°	Front
20	45,000	45,000	40,000	40,000				
25	45,000	45,000	40,000	40,000	28,200	28,200		
30	32,600	35,400	33,600	36,000	28,200	28,200	20,200	20,200
35	23,500	25,700	24,400	26,600	25,100	27,300	20,200	20,200
40	17,500	19,400	18,400	20,200	19,100	20,900	19,600	20,200
45	13,500	15,100	14,400	15,800	15,000	16,400	15,500	16,900
50	10,500	11,800	11,300	12,600	11,900	13,200	12,400	13,700
55	8,100	9,300	8,900	10,100	9,500	10,700	10,000	11,200
60	6,300	7,300	7,000	8,100	7,600	8,700	8,100	9,200
65	4,800	5,700	5,500	6,500	6,100	7,000	6,600	7,500
70	3,500	4,400	4,300	5,100	4,800	5,700	5,300	6,200
75	2,500	3,300	3,200	4,000	3,700	4,600	4,200	5,000
80	1,600	2,300	2,300	3,100	2,800	3,600	3,300	4,000
85			1,500	2,200	2,100	2,800	2,500	3,200
90					1,400	2,000	1,800	2,500
95							1,200	1,800
Min Angle	23.0		33.0		40.0		46.0	
Max Rad. Capacity	81.9		87.9		92.7		97.2	
	0 0		0 0		0 0		0 0	

1010020

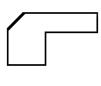
Rated Lifting
Capacities In
Pounds



Full



10ft Offset Fly



0 lbs

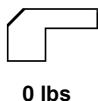
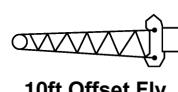
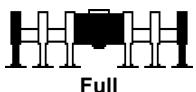


Radius (ft)	Boom Length (ft)							
	Fly Offset							
	38	50	65	80	95	116	125	142
2°-45°	2°-45°	2°-45°	2°-45°	2°-45°	2°-45°	2°-45°	2°-45°	2°-45°
10	41,500	42,700	43,900					
12	36,000	36,600	42,400	43,800				
15	35,100	35,900	36,400	43,800				
20	34,100	34,800	35,500	35,900	33,100			
25	33,500	34,000	34,700	35,000	29,100	22,100	20,000	
30	33,500	33,600	34,200	32,600	25,900	22,100	20,000	16,200
35	25,400	26,200	26,800	27,200	23,200	19,800	20,000	16,200
40	19,400	20,100	20,600	21,000	20,900	17,900	18,600	16,200
45		15,900	16,300	16,600	16,900	16,400	16,300	15,200
50			12,700	13,200	13,500	13,800	14,000	13,200
55				10,800	11,100	11,300	11,500	10,800
60				8,900	9,200	9,400	9,600	8,900
65					7,400	7,600	7,800	8,000
70						6,300	6,500	6,700
75						5,200	5,400	5,600
80						4,300	4,500	4,700
85							3,700	3,900
90							3,000	3,200
95							2,400	2,500
100							2,000	1,900
105							1,500	1,400
110							1,100	

Min Angle	0.0	0.0	0.0	0.0	0.0	18.5	36.5	50.5
Max Rad. Capacity	41.1	53.1	68.1	83.1	98.1	113.8	105.0	94.9
	18,500	11,300	6,600	3,900	2,100	0	0	0

1011010

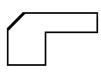
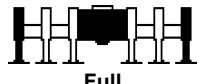
Rated Lifting
Capacities In
Pounds



Radius (ft)	Boom Length (ft)							
	Fly Offset							
	38	50	64	80	95	110	125	142
	2°-45°	2°-45°	2°-45°	2°-45°	2°-45°	2°-45°	2°-45°	2°-45°
10	41,500	42,700	44,300					
12	36,000	36,600	42,600	44,100				
15	35,100	35,900	36,400	44,100				
20	34,100	34,800	35,500	35,900	36,000	30,800		
25	33,500	34,000	34,700	35,200	35,500	30,800	22,800	
30	33,500	32,200	30,300	31,800	32,800	30,800	22,800	16,200
35	25,400	23,100	21,400	22,800	23,700	24,400	22,800	16,200
40	19,400	17,200	15,700	16,900	17,700	18,300	18,800	16,200
45		13,200	11,700	12,900	13,700	14,300	14,700	15,200
50			10,200	8,700	9,900	10,600	11,200	11,600
55				6,500	7,600	8,300	8,800	9,300
60				4,700	5,700	6,400	7,000	7,400
65				3,200	4,300	4,900	5,500	5,800
70					3,000	3,700	4,200	4,600
75					2,000	2,700	3,200	3,500
80						1,800	2,300	2,600
85							1,500	1,800
90								1,200
Min Angle	0.0	0.0	0.0	16.5	31.0	39.0	46.0	50.5
Max Rad. Capacity	41.1	53.1	67.1	80.0	84.7	88.5	91.2	94.9
	18,500	8,800	2,800	0	0	0	0	0

1011020

Rated Lifting
Capacities In
Pounds

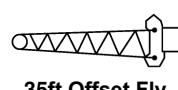
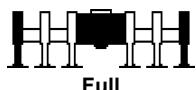


Radius (ft)	Boom Length (ft)											
	38				65				90			
	2°	15°	30°	45°	2°	15°	30°	45°	2°	15°	30°	45°
10	29,100											
12	27,000											
15	24,400				26,900							
20	20,900	17,100			24,200							
25	18,300	15,400	13,000		21,800	17,100			21,900			
30	16,300	14,000	12,000		19,800	15,900	12,900		20,600	16,500		
35	14,600	12,800	11,200	10,100	18,100	14,800	12,200		19,400	15,700		
40	13,200	11,800	10,600	9,700	16,800	13,800	11,700	10,200	18,300	14,900	12,200	
45	12,100	11,000	10,000	9,300	15,500	13,000	11,100	9,900	17,200	14,200	11,800	10,200
50	11,100	10,300	9,500	9,100	14,400	12,300	10,700	9,600	15,100	13,500	11,300	10,000
55	10,300	9,700	9,200	8,900	12,800	11,600	10,300	9,400	12,600	12,900	11,000	9,800
60	9,600	9,200	9,000		10,800	11,100	9,900	9,200	10,600	11,400	10,600	9,600
65	9,000	9,000			9,100	9,700	9,600	9,000	8,900	9,700	10,300	9,400
70					7,800	8,300	8,800	9,000	7,600	8,200	8,900	9,200
75					6,600	7,100	7,500	7,700	6,500	7,000	7,600	8,000
80					5,700	6,000	6,300		5,500	6,000	6,500	6,800
85					4,900	5,100	5,300		4,700	5,100	5,500	5,800
90					4,200	4,300			3,900	4,300	4,600	4,800
95									3,300	3,600	3,900	4,000
100									2,700	3,000	3,200	
105									2,300	2,500	2,600	
110									1,800	2,000	2,100	
115									1,400	1,500		

Min Angle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Rad.	66.1	66.1	64.9	62.4	93.1	92.9	91.2	88.0	118.1	117.8	115.8	112.2
Capacity	9,000	9,000	9,000	8,900	3,800	3,900	4,000	4,400	1,200	1,300	1,300	1,400

1011030

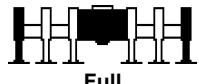
Rated Lifting
Capacities In
Pounds



Radius (ft)	Boom Length (ft)							
	116				142			
	2°	15°	30°	45°	2°	15°	30°	45°
30	13,500							
35	13,500							
40	13,500	14,100			11,000			
45	13,500	14,100			11,000			
50	13,500	13,700	11,700		11,000	11,400		
55	12,500	12,700	11,300	10,000	10,600	11,400		
60	10,400	11,300	11,100	9,800	8,600	9,700	10,900	
65	8,800	9,600	10,400	9,700	7,000	8,000	9,000	9,800
70	7,500	8,200	8,900	9,400	5,700	6,600	7,500	8,300
75	6,300	6,900	7,600	8,100	4,600	5,400	6,200	6,900
80	5,400	5,900	6,500	6,900	3,700	4,400	5,100	5,700
85	4,500	5,000	5,500	5,900	2,800	3,500	4,200	4,700
90	3,800	4,300	4,700	5,000	2,100	2,700	3,400	3,800
95	3,200	3,600	4,000	4,200	1,500	2,100	2,600	3,000
100	2,600	3,000	3,300	3,500		1,500	2,000	2,300
105	2,100	2,400	2,700	2,900		900	1,400	1,700
110	1,600	1,900	2,200	2,300				1,200
115	1,200	1,500	1,700	1,800				
120	900	1,100	1,300					
125			900					
Min Angle	34.5	36.0	35.5	35.5	56.5	56.0	57.0	57.0
Max Rad. Capacity	121.7 0	123.8 0	126.3 0	126.3 0	100.0 0	105.9 0	110.0 0	113.1 0

1011030

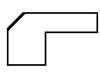
Rated Lifting
Capacities In
Pounds



Full



35ft Offset Fly



0 lbs



360°



Radius (ft)	Boom Length (ft)											
	38				64				85			
	2°	15°	30°	45°	2°	15°	30°	45°	2°	15°	30°	45°
10	29,100											
12	27,000											
15	24,400				28,000							
20	20,900	17,100			24,800							
25	18,300	15,400	13,000		22,200	17,200			23,300			
30	16,300	14,000	12,000		20,000	16,000	12,900		21,600	16,800		
35	14,600	12,800	11,200	10,100	18,200	14,800	12,200		20,000	15,800		
40	13,200	11,800	10,600	9,700	16,800	13,900	11,600	10,200	18,600	14,900	12,200	
45	12,100	11,000	10,000	9,300	15,200	13,000	11,100	9,900	15,600	14,100	11,700	10,200
50	11,100	10,300	9,500	9,100	12,000	12,300	10,600	9,600	12,500	13,400	11,300	9,900
55	10,300	9,700	9,200	8,900	9,600	10,800	10,200	9,400	10,000	11,200	10,900	9,700
60	9,600	9,200	9,000		7,700	8,700	9,700	9,200	8,100	9,100	10,200	9,500
65	9,000	9,000			6,100	6,900	7,800	8,400	6,500	7,400	8,400	9,100
70					4,800	5,500	6,200	6,700	5,200	6,000	6,800	7,400
75					3,700	4,300	4,900	5,100	4,100	4,800	5,500	6,000
80					2,800	3,300	3,700		3,200	3,800	4,400	4,800
85					2,000	2,400	2,600		2,400	2,900	3,400	3,700
90					1,400	1,500			1,700	2,100	2,500	2,800
95									1,100	1,400	1,800	
100										1,100		

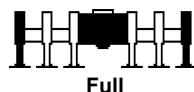
Min Angle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.0	33.5	33.5	33.5
Max Rad. Capacity	66.1	66.1	64.9	62.4	92.1	91.9	90.2	87.0	95.9	99.0	101.2	100.9
Capacity	9,000	9,000	9,000	8,900	1,100	1,200	1,200	1,400	0	0	0	0

1011040

Radius (ft)	Boom Length (ft)											
	110				142							
	2°	15°	30°	45°	2°	15°	30°	45°	2°	15°	30°	45°
30	19,300											
35	19,300											
40	18,900	15,400				11,000						
45	15,800	14,800	12,100			11,000						
50	12,800	14,200	11,700	10,200		11,000	11,400					
55	10,300	11,600	11,400	10,000		10,600	11,400					
60	8,400	9,500	10,600	9,800		8,600	9,700	10,900				
65	6,800	7,700	8,700	9,600		7,000	8,000	9,000	9,800			
70	5,500	6,300	7,200	7,900		5,700	6,600	7,500	8,300			
75	4,400	5,100	5,900	6,500		4,600	5,400	6,200	6,900			
80	3,400	4,100	4,800	5,300		3,700	4,400	5,100	5,700			
85	2,600	3,300	3,900	4,300		2,800	3,500	4,200	4,700			
90	1,900	2,500	3,000	3,400		2,100	2,700	3,400	3,800			
95	1,300	1,800	2,300	2,600		1,500	2,100	2,600	3,000			
100		1,200	1,600	1,900			1,500	2,000	2,300			
105			1,000	1,200				900	1,400	1,700		
110										1,200		

Min Angle	46.5	46.0	46.0	46.5	56.5	56.0	57.0	57.0
Max Rad. Capacity	97.9	103.0	106.9	107.9	100.0	105.9	110.0	113.1
Capacity	0	0	0	0	0	0	0	0

1011040



14,500 lbs



Radius (ft)	Boom Length (ft)							
	38		50		65		80	
	360°	Front	360°	Front	360°	Front	360°	Front
8	140,000	150,000	*					
9	140,000	140,000						
10	131,300	133,700	46,000	46,000	45,100	45,100		
12	117,400	119,600	46,000	46,000	45,100	45,100	44,900	44,900
15	100,800	102,800	46,000	46,000	45,100	45,100	44,900	44,900
20	78,400	78,400	46,000	46,000	45,100	45,100	44,900	44,900
25	60,600	60,600	46,000	46,000	45,100	45,100	44,900	44,900
30	48,000	48,300	46,000	46,000	45,100	45,100	42,300	42,300
35			37,600	39,900	39,000	41,200	37,800	37,800
40				29,200	31,100	30,700	32,400	31,400
45						24,800	26,300	25,500
50						20,500	21,800	21,200
55						17,100	18,200	17,800
60								15,200
65								13,100
70								11,300
								12,100

Min Angle	0.0	0.0	0.0	0.0
Max Rad. Capacity	31.0 24,200	43.0 16,900	58.0 11,500	73.0 8,200

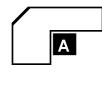
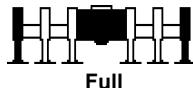
1020030

* Boom Centered Over Front Only

Radius (ft)	Boom Length (ft)							
	95		116		125		142	
	360°	Front	360°	Front	360°	Front	360°	Front
20	37,900	37,900						
25	33,100	33,100	27,400	27,400	25,000	25,000		
30	29,300	29,300	24,300	24,300	25,000	25,000	20,200	20,200
35	26,100	26,100	21,800	21,800	22,700	22,700	20,200	20,200
40	23,500	23,500	19,600	19,600	20,600	20,600	20,200	20,200
45	21,300	21,300	17,800	17,800	18,700	18,700	20,100	20,100
50	19,500	19,500	16,200	16,200	17,000	17,000	18,500	18,500
55	17,900	17,900	14,800	14,800	15,700	15,700	16,800	16,900
60	15,700	16,500	13,600	13,600	14,500	14,500	14,300	15,400
65	13,500	14,500	12,600	12,600	13,300	13,400	12,200	13,100
70	11,800	12,600	11,600	11,600	11,500	12,300	10,400	11,300
75	10,300	11,100	10,600	10,800	10,000	10,800	8,900	9,700
80	8,900	9,700	9,400	10,000	8,700	9,400	7,700	8,400
85	7,800	8,500	8,200	8,900	7,600	8,300	6,600	7,300
90			7,300	7,900	6,600	7,300	5,600	6,300
95				6,400	7,000	5,800	6,400	4,800
100					5,700	6,200	5,100	5,600
105					5,000	5,500	4,400	4,900
110							3,800	4,300
115							3,200	3,700
120								1,800
125								1,400

Min Angle	0.0	0.0	0.0	19.0
Max Rad. Capacity	88.0 5,900	109.0 3,800	118.0 2,300	130.0 0 0

1020030



14,500 lbs

Radius (ft)	Boom Length (ft)							
	38		50		64		80	
	360°	Front	360°	Front	360°	Front	360°	Front
8	140,000	150,000	*					
9	140,000	140,000						
10	131,300	133,700	96,700	96,700	61,000	61,000		
12	117,400	119,600	96,700	96,700	61,000	61,000	45,000	45,000
15	100,800	102,800	96,700	96,700	61,000	61,000	45,000	45,000
20	78,400	78,400	77,400	77,400	61,000	61,000	45,000	45,000
25	60,600	60,600	59,800	59,800	57,600	57,600	45,000	45,000
30	48,000	48,300	46,600	47,800	45,300	47,200	43,900	43,900
35			34,000	36,200	32,900	35,100	35,000	37,200
40			25,900	27,700	25,000	26,800	27,000	28,800
45					19,400	20,900	21,300	22,800
50					15,300	16,600	17,100	18,400
55					12,000	13,200	14,000	15,200
60							11,400	12,500
65							9,300	10,300
70							7,600	8,400
Min Angle	0.0		0.0		0.0		0.0	
Max Rad. Capacity	31.0		43.0		57.0		73.0	
	24,200	24,200	14,400	14,400	7,700	7,700	4,900	4,900

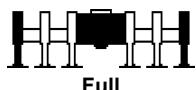
1020040

* Boom Centered Over Front Only

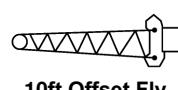
Radius (ft)	Boom Length (ft)							
	95		110		125		142	
	360°	Front	360°	Front	360°	Front	360°	Front
20	45,000	45,000	40,000	40,000				
25	45,000	45,000	40,000	40,000	28,200	28,200		
30	39,600	39,600	36,000	36,000	28,200	28,200	20,200	20,200
35	35,000	35,000	32,000	32,000	27,800	27,800	20,200	20,200
40	28,200	30,000	28,700	28,700	25,500	25,500	20,200	20,200
45	22,500	24,000	23,300	24,800	23,500	23,500	20,100	20,100
50	18,200	19,600	19,000	20,300	19,600	20,900	18,500	18,500
55	15,100	16,200	15,700	16,900	16,300	17,500	16,800	16,900
60	12,500	13,600	13,300	14,300	13,800	14,900	14,300	15,400
65	10,400	11,400	11,200	12,100	11,700	12,700	12,200	13,100
70	8,700	9,600	9,400	10,300	10,000	10,800	10,400	11,300
75	7,200	8,000	8,000	8,800	8,500	9,300	8,900	9,700
80	6,000	6,700	6,700	7,400	7,200	8,000	7,700	8,400
85	4,900	5,600	5,600	6,300	6,100	6,800	6,600	7,300
90			4,700	5,300	5,200	5,900	5,600	6,300
95				3,800	4,400	4,400	5,000	4,800
100				3,100	3,700	3,600	4,200	4,100
105						3,000	3,500	3,400
110						2,400	2,900	2,800
115						1,800	2,300	2,300
120							1,800	2,300
125							1,400	1,800
Min Angle	0.0		0.0		0.0		19.0	
Max Rad. Capacity	88.0		103.0		118.0		130.0	
	3,200	3,200	1,900	1,900	1,000	1,000	0	0

1020040

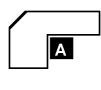
Rated Lifting
Capacities In
Pounds



Full



10ft Offset Fly



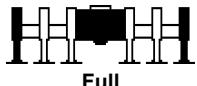
A
14,500 lbs



Radius (ft)	Boom Length (ft)							
	Fly Offset							
	38	50	65	80	95	116	125	142
	2°-45°	2°-45°	2°-45°	2°-45°	2°-45°	2°-45°	2°-45°	2°-45°
10	41,500	42,700	43,900					
12	36,000	36,600	42,400	43,800				
15	35,100	35,900	36,400	43,800				
20	34,100	34,800	35,500	35,900	33,100			
25	33,500	34,000	34,700	35,000	29,100	22,100	20,000	
30	33,500	33,600	34,200	32,600	25,900	22,100	20,000	16,200
35	33,500	33,500	33,800	30,400	23,200	19,800	20,000	16,200
40	30,100	30,700	31,300	28,500	20,900	17,900	18,600	16,200
45		24,800	25,300	25,700	19,000	16,400	17,000	16,200
50		20,600	21,000	21,300	17,400	14,900	15,500	16,200
55			17,700	18,000	16,100	13,600	14,300	15,200
60			15,100	15,400	14,900	12,500	13,200	13,900
65			13,000	13,200	13,400	11,500	12,200	11,800
70				11,500	11,700	10,600	11,200	10,100
75				10,000	10,200	9,800	9,700	8,600
80				8,700	8,900	9,100	8,400	7,300
85					7,800	7,900	7,300	6,200
90					6,800	7,000	6,300	5,300
95					6,000	6,100	5,500	4,500
100						5,400	4,700	3,700
105						4,700	4,100	3,100
110						4,100	3,500	2,500
115						3,600	3,000	2,000
120							2,500	1,500
125							2,100	1,100
Min Angle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.5
Max Rad.	41.1	53.1	68.1	83.1	98.1	119.1	128.1	128.0
Capacity	19,200	14,000	9,600	6,800	4,800	2,800	1,400	0

1021010

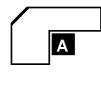
Rated Lifting
Capacities In
Pounds



Full



10ft Offset Fly



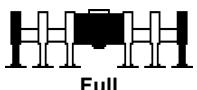
14,500 lbs



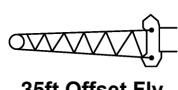
Radius (ft)	Boom Length (ft)							
	Fly Offset							
	38	50	64	80	95	110	125	142
2°-45°	2°-45°	2°-45°	2°-45°	2°-45°	2°-45°	2°-45°	2°-45°	2°-45°
10	41,500	42,700	44,300					
12	36,000	36,600	42,600	44,100				
15	35,100	35,900	36,400	44,100				
20	34,100	34,800	35,500	35,900	36,000	30,800		
25	33,500	34,000	34,700	35,200	35,500	30,800	22,800	
30	33,500	33,600	34,200	34,500	34,800	30,800	22,800	16,200
35	33,500	33,500	33,800	34,300	33,500	30,000	22,800	16,200
40	30,100	27,900	26,300	27,500	28,400	27,500	22,100	16,200
45		22,200	20,600	21,800	22,600	23,200	20,400	16,200
50			18,000	16,500	17,600	18,400	18,900	18,900
55				13,400	14,500	15,200	15,800	16,100
60				10,900	12,000	12,700	13,200	13,600
65				8,900	9,900	10,600	11,100	11,500
70					8,200	8,900	9,300	9,700
75					6,800	7,400	7,900	8,300
80					5,600	6,200	6,600	7,000
85						5,100	5,600	5,900
90						4,200	4,600	5,000
95						3,400	3,800	4,200
100							3,100	3,400
105							2,500	2,800
110							1,900	2,200
115								1,700
120								1,200
125								1,100
Min Angle	0.0	0.0	0.0	0.0	0.0	0.0	15.5	30.5
Max Rad.	41.1	53.1	67.1	83.1	98.1	113.1	124.7	128.0
Capacity	19,200	11,900	6,200	3,800	2,300	1,100	0	0

1021020

Rated Lifting Capacities In Pounds



Full



35ft Offset Fly



A
14,500 lbs



360°



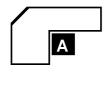
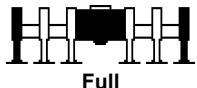
EM
1

Radius (ft)	Boom Length (ft)											
	38				65				90			
	2°	15°	30°	45°	2°	15°	30°	45°	2°	15°	30°	45°
10	29,100											
12	27,000											
15	24,400				26,900							
20	20,900	17,100				24,200						
25	18,300	15,400	13,000			21,800	17,100					
30	16,300	14,000	12,000			19,800	15,900	12,900				
35	14,600	12,800	11,200	10,100	18,100	14,800	12,200					
40	13,200	11,800	10,600	9,700	16,800	13,800	11,700	10,200	18,300	14,900	12,200	
45	12,100	11,000	10,000	9,300	15,500	13,000	11,100	9,900	17,200	14,200	11,800	10,200
50	11,100	10,300	9,500	9,100	14,400	12,300	10,700	9,600	16,400	13,500	11,300	10,000
55	10,300	9,700	9,200	8,900	13,400	11,600	10,300	9,400	15,500	12,900	11,000	9,800
60	9,600	9,200	9,000		12,500	11,100	9,900	9,200	14,400	12,400	10,600	9,600
65	9,000	9,000			11,800	10,600	9,600	9,000	13,200	11,900	10,300	9,400
70					11,100	10,100	9,300	9,000	12,200	11,400	10,000	9,200
75					10,500	9,700	9,100	8,900	11,200	11,000	9,800	9,100
80					10,000	9,400	9,000		9,900	10,300	9,600	9,000
85					8,900	9,100	9,000		8,700	9,200	9,400	9,000
90					8,000	8,100			7,800	8,100	8,500	8,700
95									6,900	7,200	7,500	7,600
100									6,100	6,400	6,600	
105									5,500	5,700	5,800	
110									4,900	5,000	5,100	
115									4,300	4,400		

Min Angle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Rad. Capacity	66.1	66.1	64.9	62.4	93.1	92.9	91.2	88.0	118.1	117.8	115.8	112.2
	9,000	9,000	9,000	8,900	6,500	6,500	6,700	7,200	3,500	3,500	3,600	3,800

1021030

Rated Lifting
Capacities In
Pounds

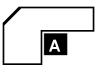
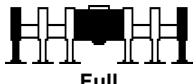


Radius (ft)	Boom Length (ft)							
	116				142			
	2°	15°	30°	45°	2°	15°	30°	45°
30	13,500							
35	13,500							
40	13,500	14,100			11,000			
45	13,500	14,100			11,000			
50	13,500	13,700	11,700		11,000	11,400		
55	12,900	12,700	11,300	10,000	11,000	11,400		
60	11,800	11,600	11,100	9,800	11,000	11,400	11,300	
65	10,800	10,700	10,600	9,700	11,000	11,400	11,000	9,800
70	9,900	9,800	9,800	9,500	10,900	11,100	10,800	9,700
75	9,100	9,100	9,000	9,000	9,300	10,100	10,100	9,600
80	8,400	8,400	8,400	8,400	8,000	8,800	9,400	9,300
85	7,700	7,800	7,800	7,800	6,900	7,600	8,300	8,700
90	7,200	7,200	7,200	7,200	6,000	6,600	7,200	7,600
95	6,600	6,700	6,700	6,700	5,100	5,700	6,200	6,600
100	6,000	6,200	6,200	6,300	4,400	4,900	5,400	5,700
105	5,300	5,600	5,800	5,800	3,700	4,200	4,600	4,900
110	4,700	5,000	5,200	5,400	3,100	3,500	3,900	4,200
115	4,100	4,400	4,600	4,700	2,500	2,900	3,300	3,500
120	3,600	3,900	4,100	4,100	2,100	2,400	2,700	2,900
125	3,200	3,400	3,500		1,600	1,900	2,200	2,400
130	2,800	2,900	3,000		1,200	1,500	1,700	1,900
135	2,400	2,500	2,600			1,100	1,300	1,400
140	2,100	2,100				900		1,000

Min Angle	0.0	0.0	0.0	0.0	41.0	41.0	41.5	41.5
Max Rad. Capacity	144.1	143.7	141.6	137.7	135.0	138.8	141.3	142.0
	1,500	1,500	1,500	1,600	0	0	0	0

1021030

Rated Lifting
Capacities In
Pounds



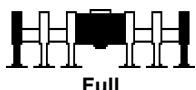
14,500 lbs

Radius (ft)	Boom Length (ft)											
	38				64				85			
	2°	15°	30°	45°	2°	15°	30°	45°	2°	15°	30°	45°
10	29,100											
12	27,000											
15	24,400				28,000							
20	20,900	17,100				24,800						
25	18,300	15,400	13,000			22,200	17,200					
30	16,300	14,000	12,000			20,000	16,000	12,900				
35	14,600	12,800	11,200	10,100	18,200	14,800	12,200					
40	13,200	11,800	10,600	9,700	16,800	13,900	11,600	10,200	18,600	14,900	12,200	
45	12,100	11,000	10,000	9,300	15,500	13,000	11,100	9,900	17,300	14,100	11,700	10,200
50	11,100	10,300	9,500	9,100	14,400	12,300	10,600	9,600	16,400	13,400	11,300	9,900
55	10,300	9,700	9,200	8,900	13,400	11,600	10,200	9,400	15,400	12,800	10,900	9,700
60	9,600	9,200	9,000		12,500	11,000	9,900	9,200	14,300	12,200	10,500	9,500
65	9,000	9,000			11,700	10,500	9,600	9,000	12,100	11,700	10,200	9,300
70					10,000	10,100	9,300	9,000	10,300	11,100	9,900	9,200
75					8,500	9,100	9,100	8,900	8,800	9,500	9,700	9,100
80					7,200	7,700	8,100		7,600	8,200	8,800	9,000
85					6,100	6,400	6,700		6,500	7,000	7,500	7,800
90					5,200	5,300			5,500	6,000	6,400	6,600
95									4,700	5,000	5,400	
100									3,900	4,200	4,500	
105									3,300	3,500	3,600	
110									2,700	2,800		

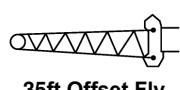
Min Angle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Rad. Capacity	66.1	66.1	64.9	62.4	92.1	91.9	90.2	87.0	113.1	112.8	110.9	107.4
	9,000	9,000	9,000	8,900	3,900	4,000	4,100	4,400	1,800	1,800	1,900	2,000

1021040

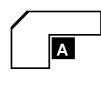
Rated Lifting
Capacities In
Pounds



Full



35ft Offset Fly



14,500 lbs



360°

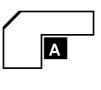
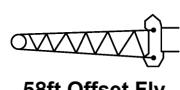
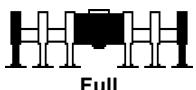


Radius (ft)	Boom Length (ft)							
	110				142			
	2°	15°	30°	45°	2°	15°	30°	45°
30	19,300							
35	19,300							
40	18,900	15,400			11,000			
45	18,100	14,800	12,100		11,000			
50	17,300	14,200	11,700	10,200	11,000	11,400		
55	16,600	13,600	11,400	10,000	11,000	11,400		
60	14,600	13,100	11,100	9,800	11,000	11,400	11,300	
65	12,400	12,600	10,800	9,600	11,000	11,400	11,000	9,800
70	10,600	11,500	10,500	9,500	10,900	11,100	10,800	9,700
75	9,100	9,900	10,200	9,300	9,300	10,100	10,100	9,600
80	7,800	8,500	9,200	9,200	8,000	8,800	9,400	9,300
85	6,700	7,300	7,900	8,400	6,900	7,600	8,300	8,700
90	5,800	6,300	6,800	7,200	6,000	6,600	7,200	7,600
95	4,900	5,400	5,900	6,200	5,100	5,700	6,200	6,600
100	4,200	4,600	5,000	5,300	4,400	4,900	5,400	5,700
105	3,500	3,900	4,200	4,400	3,700	4,200	4,600	4,900
110	2,900	3,200	3,500	3,700	3,100	3,500	3,900	4,200
115	2,400	2,700	2,900		2,500	2,900	3,300	3,500
120	1,900	2,100	2,300		2,100	2,400	2,700	2,900
125	1,400	1,600	1,800		1,600	1,900	2,200	2,400
130	1,000	1,200			1,200	1,500	1,700	1,900
135						1,100	1,300	1,400
140						900		1,000

Min Angle	17.5	17.5	17.0	14.0	41.0	41.0	41.5	41.5
Max Rad. Capacity	133.3	134.8	134.0	129.3	135.0	138.8	141.3	142.0

1021040

Rated Lifting Capacities In Pounds



Boom Length (ft)

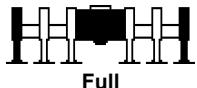
Fly Offset

Radius (ft)	38				65				90			
	2°	15°	30°	45°	2°	15°	30°	45°	2°	15°	30°	45°
	15	17,700			16,400				13,400			
20	15,400				14,900				12,700			
25	13,500								12,100			
30	12,000	10,100			13,600							
35	10,700	9,200			12,500	10,000						
40	9,600	8,400	7,200		11,500	9,300						
45	8,800	7,700	6,800		10,600	8,700			11,400	9,200		
50	8,000	7,100	6,300	5,700	9,800	8,200	6,800		10,700	8,700		
55	7,400	6,600	6,000	5,400	9,100	7,700	6,500		10,100	8,300	6,800	
60	6,800	6,200	5,600	5,200	8,500	7,200	6,200	5,400	9,600	7,900	6,500	
65	6,300	5,800	5,300	5,000	7,900	6,900	5,900	5,300	9,100	7,500	6,300	5,400
70	5,900	5,500	5,100	4,800	7,400	6,500	5,700	5,100	8,600	7,200	6,100	5,300
75	5,500	5,200	4,900	4,700	7,000	6,200	5,500	5,000	8,100	6,900	5,900	5,200
80	5,100	4,900	4,700	4,600	6,600	5,900	5,300	4,800	7,700	6,600	5,700	5,100
85	4,900	4,700	4,700		6,200	5,600	5,100	4,800	7,400	6,300	5,500	5,000
90					5,900	5,400	4,900	4,700	7,000	6,100	5,300	4,900
95					5,600	5,200	4,800	4,600	6,700	5,900	5,200	4,800
100					5,300	5,000	4,700	4,600	6,400	5,700	5,100	4,700
105					5,100	4,800	4,700		6,100	5,500	5,000	4,700
110					4,900	4,700	4,700		5,500	5,300	4,900	4,600
115					4,700	4,700			4,900	5,100	4,800	4,600
120									4,400	4,700	4,700	4,600
125									3,900	4,200	4,400	
130									3,500	3,700	3,900	
135									3,100	3,300		
140									2,800	2,800		

Min Angle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Rad. Capacity	89.1	89.0	87.3	84.2	116.1	115.7	113.3	108.8	141.1	140.5	137.6	132.4
	4,700	4,700	4,700	4,600	4,700	4,700	4,700	4,600	2,400	2,400	2,500	2,800

1021050

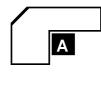
Rated Lifting
Capacities In
Pounds



Full



58ft Offset Fly



A

14,500 lbs



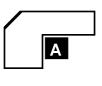
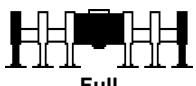
360°



Radius (ft)	Boom Length (ft)							
	116				142			
	2°	15°	30°	45°	2°	15°	30°	45°
40	8,900							
45	8,900				7,400			
50	8,900				7,400			
55	8,900	8,400			7,400			
60	8,900	8,100			7,400			
65	8,900	7,800	6,500		7,400	7,800		
70	8,900	7,600	6,300		7,400	7,700		
75	8,600	7,300	6,100	5,300	7,400	7,500		
80	7,900	7,000	6,000	5,200	7,400	7,300	6,200	
85	7,300	6,800	5,800	5,100	7,400	7,100	6,000	5,200
90	6,700	6,600	5,600	5,000	6,500	6,900	5,900	5,100
95	6,200	6,300	5,500	4,900	5,700	6,600	5,700	5,100
100	5,800	5,800	5,400	4,900	4,900	5,700	5,600	5,000
105	5,300	5,400	5,300	4,800	4,200	5,000	5,500	4,900
110	4,900	5,000	5,100	4,700	3,600	4,300	5,000	4,900
115	4,600	4,700	4,800	4,700	3,000	3,700	4,400	4,800
120	4,100	4,400	4,500	4,500	2,500	3,200	3,800	4,200
125	3,600	4,000	4,100	4,200	2,100	2,700	3,200	3,600
130	3,200	3,500	3,900	3,900	1,700	2,200	2,700	3,100
135	2,800	3,100	3,400	3,600	1,300	1,800	2,200	2,600
140	2,400	2,700	3,000	3,100	900	1,400	1,800	2,100
145	2,100	2,400	2,600			1,000	1,400	1,600
150	1,800	2,000	2,200				1,000	1,200
155	1,500	1,700	1,800					
160	1,300	1,400						
Min Angle	13.5	16.5	0.0	0.0	47.0	48.0	48.5	48.5
Max Rad.	165.0	165.0	163.1	157.3	141.7	148.3	153.3	155.0
Capacity	0	0	800	900	0	0	0	0

1021050

Rated Lifting Capacities In Pounds



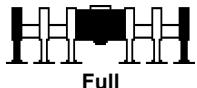
14,500 lbs

Radius (ft)	Boom Length (ft)											
	38				64				85			
	2°	15°	30°	45°	2°	15°	30°	45°	2°	15°	30°	45°
15	17,700											
20	15,400				17,200							
25	13,500				15,400							
30	12,000	10,100			14,000				14,500			
35	10,700	9,200			12,700	10,100			13,400			
40	9,600	8,400	7,200		11,600	9,400			12,500	9,800		
45	8,800	7,700	6,800		10,700	8,700	7,200		11,700	9,300		
50	8,000	7,100	6,300	5,700	9,800	8,200	6,800		10,900	8,800		
55	7,400	6,600	6,000	5,400	9,100	7,700	6,500		10,200	8,300	6,800	
60	6,800	6,200	5,600	5,200	8,500	7,200	6,200	5,400	9,600	7,900	6,500	
65	6,300	5,800	5,300	5,000	7,900	6,800	5,900	5,300	9,000	7,500	6,200	5,400
70	5,900	5,500	5,100	4,800	7,400	6,500	5,700	5,100	8,500	7,100	6,000	5,300
75	5,500	5,200	4,900	4,700	7,000	6,200	5,500	5,000	8,000	6,800	5,800	5,100
80	5,100	4,900	4,700	4,600	6,600	5,900	5,300	4,800	7,600	6,500	5,600	5,000
85	4,900	4,700	4,700		6,200	5,600	5,100	4,700	7,200	6,200	5,400	4,900
90					5,900	5,400	4,900	4,700	6,600	6,000	5,300	4,800
95					5,600	5,200	4,800	4,600	5,700	5,700	5,100	4,700
100					5,000	5,000	4,700	4,600	5,000	5,500	5,000	4,700
105					4,300	4,700	4,700		4,300	4,900	4,900	4,600
110					3,700	4,000			3,700	4,200	4,700	4,600
115					3,200				3,100	3,600	4,000	4,200
120									2,600	3,000	3,300	
125									2,200	2,500	2,700	
130									1,800	2,000		
135									1,400	1,500		

Min Angle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Rad.	89.1	89.0	87.3	84.2	115.1	114.7	112.3	107.9	136.1	135.5	132.7	127.6
Capacity	4,700	4,700	4,700	4,600	2,600	2,700	2,800	3,100	900	900	1,000	1,200

1021060

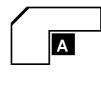
Rated Lifting
Capacities In
Pounds



Full



58ft Offset Fly



A

14,500 lbs



360°

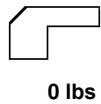
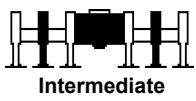


Radius (ft)	Boom Length (ft)							
	Fly Offset							
	110				142			
2°	15°	30°	45°	2°	15°	30°	45°	
35	12,100				7,400			
40	12,100				7,400			
45	11,800				7,400			
50	11,200	9,100			7,400			
55	10,700	8,700			7,400			
60	10,200	8,300			7,400			
65	9,800	8,000	6,500		7,400	7,800		
70	9,300	7,600	6,300	5,400	7,400	7,700		
75	8,900	7,300	6,100	5,300	7,400	7,500		
80	8,500	7,100	5,900	5,200	7,400	7,300	6,200	
85	7,600	6,800	5,800	5,100	7,400	7,100	6,000	5,200
90	6,600	6,600	5,600	5,000	6,500	6,900	5,900	5,100
95	5,700	6,300	5,500	4,900	5,700	6,600	5,700	5,100
100	4,900	5,700	5,300	4,800	4,900	5,700	5,600	5,000
105	4,300	5,000	5,200	4,800	4,200	5,000	5,500	4,900
110	3,600	4,300	4,900	4,700	3,600	4,300	5,000	4,900
115	3,100	3,700	4,200	4,700	3,000	3,700	4,400	4,800
120	2,600	3,100	3,600	4,000	2,500	3,200	3,800	4,200
125	2,100	2,600	3,100	3,300	2,100	2,700	3,200	3,600
130	1,700	2,100	2,500	2,700	1,700	2,200	2,700	3,100
135	1,300	1,700	2,000	2,200	1,300	1,800	2,200	2,600
140	1,000	1,300	1,600		900	1,400	1,800	2,100
145		900	1,100			1,000	1,400	1,600
150						1,000	1,000	1,200
Min Angle	30.0	31.5	31.5	30.0	47.0	48.0	48.5	48.5
Max Rad. Capacity	143.3 0	146.7 0	148.8 0	147.5 0	141.7 0	148.3 0	153.3 0	155.0 0

1021060

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Rated Lifting
Capacities In
Pounds

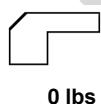
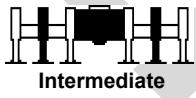


Radius (ft)	Boom Length (ft)					
	38 360°	50 360°	65 360°	80 360°	95 360°	116 360°
10	116,800	46,000	45,100			
12	103,400	46,000	45,100	44,900		
15	82,100	46,000	45,100	44,900		
20	41,200	43,700	45,100	44,900	37,900	
25	24,800	27,300	28,700	29,600	30,200	27,400
30	16,000	18,600	20,000	20,700	21,300	21,700
35		13,100	14,600	15,300	15,800	16,200
40		9,300	10,900	11,600	12,100	12,500
45			8,100	8,900	9,400	9,800
50				6,000	6,900	7,300
55				4,400	5,200	5,700
60				3,900	4,400	4,800
65					2,800	3,300
70					1,900	2,400
75						1,600
80						1,400

Min Angle	0.0	0.0	0.0	0.0	26.0	40.5
Max Rad.	31.0	43.0	58.0	73.0	80.0	84.4
Capacity	14,700	7,500	3,500	1,400	0	0

2010010

Rated Lifting
Capacities In
Pounds

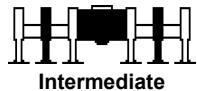


Radius (ft)	Boom Length (ft)				
	38 360°	50 360°	64 360°	80 360°	95 360°
10	116,800	96,700	61,000		
12	103,400	96,700	61,000	45,000	
15	82,100	80,500	61,000	45,000	
20	41,200	39,200	37,800	40,400	42,000
25	24,800	23,500	22,300	24,600	26,000
30	16,000	15,200	14,300	16,200	17,400
35		9,900	9,200	11,100	12,300
40		6,200	5,700	7,600	8,700
45			3,100	5,100	6,100
50				3,100	4,200
55					2,700

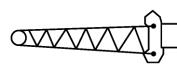
Min Angle	0.0	0.0	34.5	42.5	47.5
Max Rad.	31.0	43.0	47.7	54.5	60.0
Capacity	14,700	4,500	0	0	0

2010020

Rated Lifting
Capacities In
Pounds



Intermediate



10ft Offset Fly



0 lbs

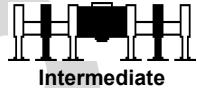


Radius (ft)	Boom Length (ft)					
	Fly Offset					
	38	50	65	80	95	116
	2°-45°	2°-45°	2°-45°	2°-45°	2°-45°	2°-45°
10	41,500	42,700	43,900			
12	36,000	36,600	42,400	43,800		
15	35,100	35,900	36,400	43,800		
20	34,100	34,800	35,500	35,900	33,100	
25	27,700	28,600	29,300	29,700	29,100	22,100
30	19,100	19,800	20,400	20,800	21,000	21,300
35	13,800	14,500	15,000	15,400	15,700	15,800
40	10,200	10,800	11,300	11,700	11,900	12,100
45		8,200	8,700	9,000	9,200	9,400
50			6,200	6,700	7,000	7,200
55				5,100	5,400	5,600
60				3,800	4,100	4,300
65					2,800	3,100
70						2,200
75						1,500
80						1,600
						1,100

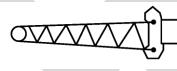
Min Angle	0.0	0.0	0.0	18.0	35.5	47.0
Max Rad.	41.1	53.1	68.1	79.1	80.0	82.5
Capacity	9,700	5,300	2,300	0	0	0

2011010

Rated Lifting
Capacities In
Pounds



Intermediate



10ft Offset Fly



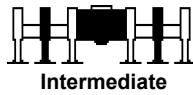
0 lbs



Radius (ft)	Boom Length (ft)				
	Fly Offset				
	38	50	64	80	95
	2°-45°	2°-45°	2°-45°	2°-45°	2°-45°
10	41,500	42,700	44,300		
12	36,000	36,600	42,600	44,100	
15	35,100	35,900	36,400	44,100	
20	34,100	34,800	35,500	35,900	36,000
25	27,700	25,300	23,500	25,000	26,000
30	19,100	16,900	15,400	16,600	17,500
35	13,800	11,800	10,300	11,500	12,300
40	10,200	8,300	6,800	8,000	8,800
45		5,700	4,300	5,500	6,200
50			3,800	2,500	3,500
55				2,000	2,700
60					1,500

Min Angle	0.0	0.0	37.5	45.5	51.5
Max Rad.	41.1	53.1	53.1	57.8	61.0
Capacity	9,700	2,900	0	0	0

2011020

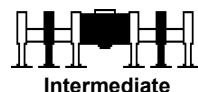


14,500 lbs



Radius (ft)	Boom Length (ft)							
	38 360°	50 360°	65 360°	80 360°	95 360°	116 360°	125 360°	142 360°
10	120,900	46,000	45,100					
12	107,100	46,000	45,100	44,900				
15	90,900	46,000	45,100	44,900				
20	63,200	46,000	45,100	44,900	37,900			
25	40,000	42,400	43,800	44,700	33,100	27,400	25,000	
30	27,600	30,100	31,500	32,200	29,300	24,300	25,000	20,200
35		22,400	23,900	24,600	25,100	21,800	22,700	20,200
40		17,100	18,700	19,400	19,900	19,600	19,500	18,300
45			14,900	15,700	16,100	16,500	15,700	14,800
50				12,000	12,800	13,300	13,700	13,000
55				9,700	10,500	11,100	11,500	10,800
60				8,700	9,200	9,600	9,000	7,900
65					7,100	7,700	8,100	7,500
70					5,900	6,400	6,900	6,200
75						5,300	5,800	5,200
80						4,400	4,900	4,300
85						3,600	4,100	3,500
90							3,400	2,800
95							2,700	2,100
100							2,200	1,600
105							1,700	1,100
Min Angle	0.0	0.0	0.0	0.0	0.0	0.0	25.5	45.0
Max Rad.	31.0	43.0	58.0	73.0	88.0	109.0	108.0	98.9
Capacity	24,200	14,700	8,500	5,200	3,200	1,400	0	0

2020010



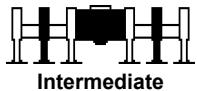
14,500 lbs



Radius (ft)	Boom Length (ft)							
	38	50	64	80	95	110	125	142
	360°	360°	360°	360°	360°	360°	360°	360°
10	120,900	96,700	61,000					
12	107,100	96,700	61,000	45,000				
15	90,900	90,100	61,000	45,000				
20	63,200	61,200	59,700	45,000	45,000	40,000		
25	40,000	38,700	37,500	39,700	41,000	40,000	28,200	
30	27,600	26,700	25,800	27,800	29,000	29,900	28,200	20,200
35		19,200	18,500	20,400	21,500	22,400	23,000	20,200
40		14,100	13,600	15,500	16,500	17,300	17,800	18,300
45			9,900	11,800	12,900	13,700	14,300	14,800
50				7,100	9,000	10,100	10,900	11,400
55					4,900	6,800	8,000	9,200
60						5,000	6,200	7,500
65						3,600	4,700	5,500
70						2,300	3,400	4,200
75							2,400	3,200
80							1,500	2,300
85								1,500
90								2,000
95								1,400
								1,800
								1,200
Min Angle	0.0	0.0	0.0	0.0	20.0	31.5	39.0	45.0
Max Rad.	31.0	43.0	57.0	73.0	83.3	89.3	94.0	98.9
Capacity	24,200	11,600	4,100	1,700	0	0	0	0

2020020

Rated Lifting
Capacities In
Pounds

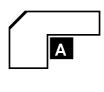
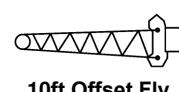
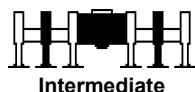


Radius (ft)	Boom Length (ft)							
	Fly Offset							
	38	50	65	80	95	116	125	142
	2°-45°	2°-45°	2°-45°	2°-45°	2°-45°	2°-45°	2°-45°	2°-45°
10	41,500	42,700	43,900					
12	36,000	36,600	42,400	43,800				
15	35,100	35,900	36,400	43,800				
20	34,100	34,800	35,500	35,900	33,100			
25	33,500	34,000	34,700	35,000	29,100	22,100	20,000	
30	30,700	31,400	31,900	32,300	25,900	22,100	20,000	16,200
35	23,100	23,800	24,300	24,700	23,200	19,800	20,000	16,200
40	18,100	18,600	19,100	19,400	19,700	17,900	18,600	16,200
45		15,000	15,400	15,800	15,900	16,100	15,500	14,300
50			12,200	12,600	12,900	13,100	13,300	12,600
55				10,400	10,700	10,900	11,100	10,400
60				8,600	8,900	9,100	9,300	8,600
65				7,200	7,400	7,600	7,800	7,100
70					6,200	6,400	6,500	5,900
75					5,200	5,300	5,500	4,800
80					4,300	4,400	4,600	3,900
85						3,700	3,800	3,200
90						3,000	3,100	2,500
95						2,400	2,500	1,900
100							2,000	1,300
105							1,500	900
110							1,100	

Min Angle	0.0	0.0	0.0	0.0	0.0	18.5	35.5	50.0
Max Rad. Capacity	41.1	53.1	68.1	83.1	98.1	113.8	106.0	95.8
	17,300	10,800	6,500	3,800	2,100	0	0	0

2021010

Rated Lifting
Capacities In
Pounds

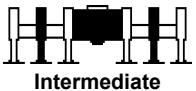


Radius (ft)	Boom Length (ft)							
	Fly Offset							
	38	50	64	80	95	110	125	142
	2°-45°	2°-45°	2°-45°	2°-45°	2°-45°	2°-45°	2°-45°	2°-45°
10	41,500	42,700	44,300					
12	36,000	36,600	42,600	44,100				
15	35,100	35,900	36,400	44,100				
20	34,100	34,800	35,500	35,900	36,000	30,800		
25	33,500	34,000	34,700	35,200	35,500	30,800	22,800	
30	30,700	28,500	26,900	28,200	29,100	29,700	22,800	16,200
35	23,100	21,100	19,600	20,800	21,600	22,200	22,600	16,200
40	18,100	16,100	14,700	15,800	16,500	17,100	17,500	16,200
45		12,500	11,100	12,200	13,000	13,500	13,900	14,300
50			9,800	8,400	9,500	10,200	10,700	11,100
55				6,300	7,300	8,000	8,500	8,900
60				4,600	5,600	6,300	6,800	7,200
65				3,200	4,200	4,900	5,300	5,700
70					3,000	3,700	4,100	4,500
75					2,000	2,700	3,100	3,500
80						1,800	2,200	2,600
85						1,000	1,500	1,800
90							1,200	1,500
95								900

Min Angle	0.0	0.0	0.0	16.5	29.0	38.0	45.0	50.0
Max Rad.	41.1	53.1	67.1	80.0	86.1	89.8	92.8	95.8
Capacity	17,300	8,500	2,800	0	0	0	0	0

2021020

Rated Lifting
Capacities In
Pounds



14,500 lbs



Boom Length (ft)

Fly Offset

Radius (ft)	38				65				90			
	2°	15°	30°	45°	2°	15°	30°	45°	2°	15°	30°	45°
10	29,100											
12	27,000											
15	24,400				26,900							
20	20,900	17,100			24,200							
25	18,300	15,400	13,000		21,800	17,100			21,900			
30	16,300	14,000	12,000		19,800	15,900	12,900		20,600	16,500		
35	14,600	12,800	11,200	10,100	18,100	14,800	12,200		19,400	15,700		
40	13,200	11,800	10,600	9,700	16,800	13,800	11,700	10,200	18,300	14,900	12,200	
45	12,100	11,000	10,000	9,300	15,500	13,000	11,100	9,900	17,100	14,200	11,800	10,200
50	11,100	10,300	9,500	9,100	14,400	12,300	10,700	9,600	14,300	13,500	11,300	10,000
55	10,300	9,700	9,200	8,900	12,200	11,600	10,300	9,400	12,000	12,900	11,000	9,800
60	9,600	9,200	9,000		10,300	11,000	9,900	9,200	10,100	10,900	10,600	9,600
65	9,000	9,000			8,800	9,400	9,600	9,000	8,600	9,300	10,000	9,400
70					7,500	8,000	8,500	8,800	7,300	7,900	8,600	9,000
75					6,400	6,800	7,200	7,400	6,300	6,800	7,300	7,700
80					5,500	5,800	6,100		5,300	5,800	6,300	6,600
85					4,700	5,000	5,100		4,500	5,000	5,300	5,600
90					4,100	4,200			3,800	4,200	4,500	4,700
95									3,200	3,500	3,800	3,900
100									2,700	2,900	3,100	
105									2,200	2,400	2,500	
110									1,800	1,900	2,000	
115									1,400	1,500		

Min Angle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Rad.	66.1	66.1	64.9	62.4	93.1	92.9	91.2	88.0	118.1	117.8	115.8	112.2
Capacity	8,900	9,000	9,000	8,900	3,700	3,800	3,900	4,300	1,200	1,200	1,300	1,400

2021030

Rated Lifting
Capacities In
Pounds

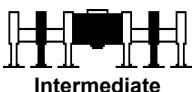


Radius (ft)	Boom Length (ft)							
	116				142			
	2°	15°	30°	45°	2°	15°	30°	45°
30	13,500							
35	13,500							
40	13,500	14,100			11,000			
45	13,500	14,100			11,000			
50	13,500	13,700	11,700		11,000	11,400		
55	11,900	12,700	11,300	10,000	10,100	11,300		
60	10,000	10,800	11,100	9,800	8,300	9,300	10,400	
65	8,500	9,200	10,000	9,700	6,800	7,700	8,700	9,500
70	7,200	7,900	8,600	9,100	5,500	6,400	7,300	8,000
75	6,100	6,700	7,300	7,800	4,500	5,200	6,000	6,700
80	5,200	5,700	6,300	6,700	3,500	4,300	5,000	5,500
85	4,400	4,900	5,400	5,700	2,800	3,400	4,100	4,600
90	3,700	4,100	4,600	4,900	2,100	2,700	3,300	3,700
95	3,100	3,500	3,900	4,100	1,500	2,000	2,500	2,900
100	2,500	2,900	3,200	3,400	900	1,400	1,900	2,300
105	2,000	2,400	2,700	2,800		900	1,300	1,700
110	1,600	1,900	2,100	2,300				1,100
115	1,200	1,400	1,700	1,800				
120		1,100	1,200					

Min Angle	36.0	36.0	37.0	37.0	56.0	56.0	57.0	57.0
Max Rad. Capacity	120.0	123.8	125.0	125.0	101.0	106.0	110.0	113.0
0	0	0	0	0	0	0	0	0

2021030

Rated Lifting
Capacities In
Pounds



Intermediate



35ft Offset Fly



Goliath A



14,500 lbs



Radius (ft)	Boom Length (ft)											
	38				64				85			
	2°	15°	30°	45°	2°	15°	30°	45°	2°	15°	30°	45°
10	29,100											
12	27,000											
15	24,400				28,000							
20	20,900	17,100			24,800							
25	18,300	15,400	13,000		22,200	17,200			23,300			
30	16,300	14,000	12,000		20,000	16,000	12,900		21,600	16,800		
35	14,600	12,800	11,200	10,100	18,200	14,800	12,200		20,000	15,800		
40	13,200	11,800	10,600	9,700	16,800	13,900	11,600	10,200	18,300	14,900	12,200	
45	12,100	11,000	10,000	9,300	14,200	13,000	11,100	9,900	14,700	14,100	11,700	10,200
50	11,100	10,300	9,500	9,100	11,400	12,300	10,600	9,600	11,800	13,100	11,300	9,900
55	10,300	9,700	9,200	8,900	9,200	10,300	10,200	9,400	9,500	10,700	10,900	9,700
60	9,600	9,200	9,000		7,400	8,300	9,300	9,200	7,700	8,700	9,800	9,500
65	9,000	9,000			5,900	6,700	7,500	8,100	6,300	7,100	8,000	8,800
70					4,700	5,300	6,000	6,400	5,000	5,800	6,600	7,200
75					3,600	4,200	4,700	5,000	4,000	4,700	5,300	5,800
80					2,700	3,200	3,600		3,100	3,700	4,300	4,700
85					2,000	2,300	2,500		2,300	2,800	3,300	3,600
90					1,300	1,500			1,600	2,100	2,500	2,700
95									1,000	1,400	1,700	
100										1,000		

Min Angle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0	32.5	33.0	32.5
Max Rad.	66.1	66.1	64.9	62.4	92.1	91.9	90.2	87.0	97.0	100.0	101.7	101.3
Capacity	8,900	9,000	9,000	8,900	1,100	1,100	1,200	1,300	0	0	0	0

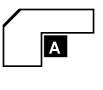
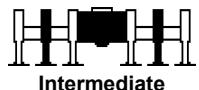
2021040

Radius (ft)	Boom Length (ft)											
	110				142							
	2°	15°	30°	45°	2°	15°	30°	45°	2°	15°	30°	45°
30	19,300											
35	19,300											
40	18,600	15,400				11,000						
45	15,000	14,800	12,100			11,000						
50	12,100	13,400	11,700	10,200		11,000	11,400					
55	9,800	11,000	11,400	10,000		10,100	11,300					
60	8,000	9,100	10,100	9,800		8,300	9,300	10,400				
65	6,500	7,500	8,400	9,200		6,800	7,700	8,700	9,500			
70	5,300	6,100	7,000	7,600		5,500	6,400	7,200	8,000			
75	4,200	5,000	5,700	6,300		4,500	5,200	6,000	6,700			
80	3,300	4,000	4,700	5,200		3,500	4,300	5,000	5,500			
85	2,600	3,200	3,700	4,200		2,800	3,400	4,100	4,600			
90	1,900	2,400	2,900	3,300		2,100	2,700	3,300	3,700			
95	1,300	1,700	2,200	2,500		1,500	2,000	2,500	2,900			
100		1,200	1,600	1,800		900	1,400	1,900	2,300			
105			1,000	1,200			900	1,300	1,700			
110									1,100			

Min Angle	45.5	46.0	46.5	46.0	56.0	56.0	57.0	57.0
Max Rad.	99.2	103.3	106.7	108.3	101.0	106.0	110.0	113.0
Capacity	0	0	0	0	0	0	0	0

2021040

Rated Lifting Capacities In Pounds

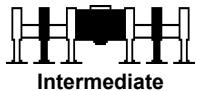


Radius (ft)	Boom Length (ft)											
	38				65				90			
	2°	15°	30°	45°	2°	15°	30°	45°	2°	15°	30°	45°
15	17,700											
20	15,400				16,400							
25	13,500				14,900							
30	12,000	10,100			13,600				13,400			
35	10,700	9,200			12,500	10,000			12,700			
40	9,600	8,400	7,200		11,500	9,300			12,100			
45	8,800	7,700	6,800		10,600	8,700			11,400	9,200		
50	8,000	7,100	6,300	5,700	9,800	8,200	6,800		10,700	8,700		
55	7,400	6,600	6,000	5,400	9,100	7,700	6,500		10,100	8,300	6,800	
60	6,800	6,200	5,600	5,200	8,500	7,200	6,200	5,400	9,600	7,900	6,500	
65	6,300	5,800	5,300	5,000	7,900	6,900	5,900	5,300	9,100	7,500	6,300	5,400
70	5,900	5,500	5,100	4,800	7,400	6,500	5,700	5,100	8,100	7,200	6,100	5,300
75	5,500	5,200	4,900	4,700	7,000	6,200	5,500	5,000	7,000	6,900	5,900	5,200
80	5,100	4,900	4,700	4,600	6,400	5,900	5,300	4,800	6,000	6,600	5,700	5,100
85	4,900	4,700	4,700		5,600	5,600	5,100	4,800	5,200	5,900	5,500	5,000
90					4,900	5,400	4,900	4,700	4,500	5,100	5,300	4,900
95					4,300	4,700	4,800	4,600	3,800	4,400	5,000	4,800
100					3,700	4,000	4,400	4,600	3,300	3,800	4,300	4,700
105					3,200	3,500	3,700		2,800	3,200	3,700	4,100
110					2,800	3,000	3,100		2,300	2,700	3,200	3,400
115					2,400	2,400			1,900	2,300	2,600	2,800
120									1,500	1,900	2,200	2,300
125									1,200	1,500	1,700	
130									900	1,100	1,300	

Min Angle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.0	23.5	24.5	29.0
Max Rad.	89.1	89.0	87.3	84.2	116.1	115.7	113.3	108.8	131.7	135.0	135.0	125.7
Capacity	4,700	4,700	4,700	4,600	2,300	2,400	2,600	2,900	0	0	0	0

2021050

Rated Lifting
Capacities In
Pounds

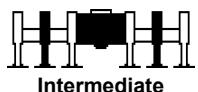


Radius (ft)	Boom Length (ft)							
	116				142			
	2°	15°	30°	45°	2°	15°	30°	45°
40	8,900							
45	8,900				7,400			
50	8,900				7,400			
55	8,900	8,400			7,400			
60	8,900	8,100			7,400			
65	8,900	7,800	6,500		7,400	7,800		
70	7,700	7,600	6,300		6,100	7,400		
75	6,600	7,300	6,100	5,300	5,000	6,200		
80	5,700	6,600	6,000	5,200	4,100	5,200	6,200	
85	4,900	5,700	5,800	5,100	3,300	4,300	5,400	5,200
90	4,200	4,900	5,600	5,000	2,600	3,500	4,500	5,100
95	3,500	4,200	4,900	4,900	2,000	2,800	3,800	4,500
100	3,000	3,600	4,200	4,700	1,400	2,200	3,100	3,800
105	2,500	3,000	3,600	4,100	900	1,700	2,500	3,100
110	2,000	2,500	3,100	3,500		1,200	1,900	2,500
115	1,600	2,100	2,600	2,900			1,400	1,900
120	1,200	1,700	2,100	2,400			900	1,400
125	900	1,300	1,700	1,900				900
130		900	1,300	1,500				
135			900	1,100				

Min Angle	43.5	45.0	45.5	45.5	59.5	60.5	61.0	62.0
Max Rad.	126.7	131.7	136.7	138.8	106.3	114.0	121.3	126.3
Capacity	0	0	0	0	0	0	0	0

2021050

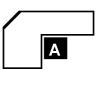
Rated Lifting Capacities In Pounds



Intermediate



58ft Offset Fly



14,500 lbs



Boom Length (ft)

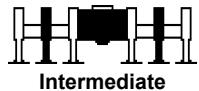
Fly Offset

Radius (ft)	38				64				85			
	2°	15°	30°	45°	2°	15°	30°	45°	2°	15°	30°	45°
	15	17,700										
20	15,400				17,200							
25	13,500				15,400							
30	12,000	10,100			14,000				14,500			
35	10,700	9,200			12,700	10,100			13,400			
40	9,600	8,400	7,200		11,600	9,400			12,500	9,800		
45	8,800	7,700	6,800		10,700	8,700	7,200		11,700	9,300		
50	8,000	7,100	6,300	5,700	9,800	8,200	6,800		10,900	8,800		
55	7,400	6,600	6,000	5,400	9,100	7,700	6,500		10,200	8,300	6,800	
60	6,800	6,200	5,600	5,200	8,500	7,200	6,200	5,400	9,000	7,900	6,500	
65	6,300	5,800	5,300	5,000	7,500	6,800	5,900	5,300	7,400	7,500	6,200	5,400
70	5,900	5,500	5,100	4,800	6,200	6,500	5,700	5,100	6,200	7,100	6,000	5,300
75	5,500	5,200	4,900	4,700	5,100	6,100	5,500	5,000	5,100	6,200	5,800	5,100
80	5,100	4,900	4,700	4,600	4,200	5,100	5,300	4,800	4,200	5,200	5,600	5,000
85	4,900	4,700	4,700		3,400	4,200	5,000	4,700	3,400	4,300	5,200	4,900
90					2,700	3,400	4,100	4,600	2,700	3,500	4,300	4,800
95					2,100	2,700	3,300	3,700	2,000	2,800	3,500	4,100
100					1,500	2,000	2,500	2,700	1,500	2,100	2,800	3,300
105					1,000	1,400	1,800		1,000	1,600	2,200	2,600
110										1,100	1,600	1,900
115											1,000	1,200

Min Angle	0.0	0.0	0.0	0.0	22.0	24.0	18.0	9.5	39.0	40.5	40.5	41.0
Max Rad.	89.1	89.0	87.3	84.2	107.5	110.0	109.5	101.1	107.5	113.0	117.0	118.3
Capacity	4,700	4,700	4,700	4,600	0	0	0	0	0	0	0	0

2021060

Rated Lifting
Capacities In
Pounds



Intermediate



58ft Offset Fly



A



14,500 lbs

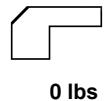


Radius (ft)	Boom Length (ft)							
	Fly Offset							
	110				142			
2°	15°	30°	45°	2°	15°	30°	45°	
35	12,100				7,400			
40	12,100				7,400			
45	11,800				7,400			
50	11,200	9,100			7,400			
55	10,700	8,700			7,400			
60	8,900	8,300			7,400			
65	7,400	8,000	6,500		7,400	7,800		
70	6,100	7,400	6,300	5,400	6,100	7,400		
75	5,100	6,200	6,100	5,300	5,000	6,200		
80	4,100	5,200	5,900	5,200	4,100	5,200	6,200	
85	3,300	4,300	5,400	5,100	3,300	4,300	5,400	5,200
90	2,600	3,500	4,500	5,000	2,600	3,500	4,500	5,100
95	2,000	2,800	3,700	4,400	2,000	2,800	3,800	4,500
100	1,500	2,200	3,000	3,600	1,400	2,200	3,100	3,800
105	1,000	1,700	2,400	2,900	900	1,700	2,500	3,100
110		1,100	1,800	2,300		1,200	1,900	2,500
115			1,300	1,700			1,400	1,900
120				1,100			900	1,400
125								900
Min Angle	50.0	51.0	52.0	52.5	59.5	60.5	61.0	62.0
Max Rad. Capacity	107.0	113.8	120.0	123.0	106.3	114.0	121.3	126.3
0	0	0	0	0	0	0	0	0

2021060

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**Rated Lifting
Capacities In
Pounds**

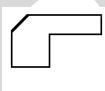
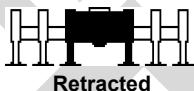


Radius (ft)	Boom Length (ft)				
	38	50	65	80	95
	360°	360°	360°	360°	360°
10	58,800	46,000	45,100		
12	39,600	42,100	43,800	44,800	
15	24,800	27,100	28,500	29,400	
20	12,800	15,200	16,400	17,200	17,700
25	6,700	8,900	10,400	11,100	11,500
30	2,900	5,100	6,500	7,300	7,800
35		2,500	3,900	4,800	5,300
40			2,100	2,900	3,500
45				1,500	2,000
50					900

Min Angle	0.0	26.5	41.0	49.0	55.0
Max Rad.	31.0	39.1	44.4	48.2	50.6
Capacity	2,300	0	0	0	0

3010010

**Rated Lifting
Capacities In
Pounds**

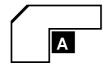
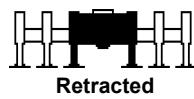


Radius (ft)	Boom Length (ft)		
	38	50	64
	360°	360°	360°
10	58,800	56,200	54,500
12	39,600	37,500	36,100
15	24,800	23,200	22,000
20	12,800	11,900	10,900
25	6,700	5,800	5,200
30	2,900	2,200	

Min Angle	0.0	43.5	57.5
Max Rad.	31.0	31.3	30.0
Capacity	2,300	0	0

3010020

Rated Lifting
Capacities In
Pounds



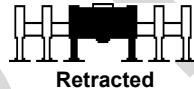
14,500 lbs



Radius (ft)	Boom Length (ft)					
	38	50	65	80	95	116
	360°	360°	360°	360°	360°	360°
10	94,500	46,000	45,100			
12	66,800	46,000	45,100	44,900		
15	44,100	46,000	45,100	44,900		
20	25,700	28,100	29,300	30,100	30,600	
25	16,400	18,600	20,000	20,700	21,200	21,600
30	10,800	12,900	14,300	15,100	15,600	15,900
35		9,100	10,500	11,300	11,800	12,200
40		6,300	7,700	8,500	9,000	9,400
45			5,600	6,400	6,900	7,400
50			4,000	4,800	5,300	5,800
55			2,700	3,400	4,000	4,400
60				2,400	2,900	3,400
65				1,500	2,000	2,500
70					1,200	1,700
75						1,000
Min Angle	0.0	0.0	0.0	19.5	35.0	46.0
Max Rad.	31.0	43.0	58.0	69.4	73.3	77.0
Capacity	9,800	5,000	2,000	0	0	0

3020010

Rated Lifting
Capacities In
Pounds



14,500 lbs



Radius (ft)	Boom Length (ft)					
	38	50	64	80	95	110
	360°	360°	360°	360°	360°	360°
10	94,500	93,400	61,000			
12	66,800	64,700	61,000	45,000		
15	44,100	42,400	41,200	43,400		
20	25,700	24,700	23,700	25,700	26,900	27,800
25	16,400	15,600	14,900	16,700	17,800	18,600
30	10,800	10,000	9,400	11,300	12,400	13,100
35		6,300	5,700	7,600	8,700	9,400
40		3,600	3,100	4,900	6,000	6,700
45			1,100	2,900	4,000	4,700
50				1,300	2,400	3,200
55					1,100	1,900
Min Angle	0.0	0.0	37.5	45.5	50.5	55.0
Max Rad.	31.0	43.0	45.9	51.9	56.5	60.0
Capacity	9,800	2,200	0	0	0	0

3020020

Rated Lifting
Capacities In
Pounds



On Tires -Stationary -Over Front
Between Tire Tracks

0 lbs

Radius (ft)	Boom Length (ft)			
	38	50	65	80
Front	Front	Front	Front	Front
10	60,900			
12	54,100	46,000		
15	43,700	45,800	22,900	
20	31,700	33,600	22,900	16,800
25	19,600	21,700	22,900	16,800
30	12,900	15,000	16,100	16,800
35		10,600	11,900	12,600
40		7,600	8,900	9,600
45			6,700	7,400
50			5,000	5,700
55			3,600	4,300
60				3,200
65				2,300
Min Angle	0.0	0.0	0.0	18.5
Max Rad.	31.0	43.0	58.0	70.0
Capacity	11,700	6,200	2,900	0

4010100

Rated Lifting
Capacities In
Pounds



On Tires - Pick And Carry - Creep
Boom Centered Over Front

0 lbs

Radius (ft)	Boom Length (ft)			
	38	50	65	80
Front	Front	Front	Front	Front
10	60,900			
12	54,100	46,000		
15	43,700	45,800	22,900	
20	31,700	33,600	22,900	16,800
25	19,600	21,700	22,900	16,800
30	12,900	15,000	16,100	16,800
35		10,600	11,900	12,600
40		7,600	8,900	9,600
45			6,700	7,400
50			5,000	5,700
55			3,600	4,300
60				3,200
65				2,300
Min Angle	0.0	0.0	0.0	18.5
Max Rad.	31.0	43.0	58.0	70.0
Capacity	11,700	6,200	2,900	0

5010110

Rated Lifting
Capacities In
Pounds



On Tires - Pick And Carry - 2.5 mph
Boom Centered Over Front

0 lbs

Radius (ft)	Boom Length (ft)			
	38	50	65	80
Front	Front	Front	Front	Front
10	37,300			
12	32,000	33,300		
15	25,800	27,300	22,900	
20	18,500	20,100	21,100	16,800
25	13,500	15,200	16,200	16,800
30	9,800	11,500	12,700	13,400
35		8,800	9,900	10,600
40		6,600	7,800	8,500
45			6,000	6,700
50			4,600	5,300
55			3,400	4,100
60				3,100
65				2,200
Min Angle	0.0	0.0	0.0	18.5
Max Rad.	31.0	43.0	58.0	70.0
Capacity	9,100	5,400	2,700	0

6010120

Rated Lifting
Capacities In
Pounds



On Tires - Stationary - 360°

0 lbs

Radius (ft)	Boom Length (ft)			
	38	50	65	80
360°	360°	360°	360°	360°
10	33,300			
12	23,400	25,300		
15	14,800	16,700	17,800	
20	7,200	9,200	10,300	11,000
25	3,200	5,000	6,200	6,900
30		2,400	3,600	4,300
35			1,800	2,500
Min Angle	29.0	42.0	51.0	57.0
Max Rad.	27.3	32.2	36.3	39.7
Capacity	0	0	0	0

7010130

Rated Lifting
Capacities In
Pounds



On Tires -Stationary -Over Front
Between Tire Tracks

0 lbs

Radius (ft)	Boom Length (ft)		
	38	50	64
Front	Front	Front	
10	60,900		
12	54,100	42,700	
15	43,700	42,700	26,000
20	31,700	30,100	26,000
25	19,600	18,500	17,600
30	12,900	12,100	11,400
35		7,900	7,400
40		5,000	4,600

Min Angle	0.0	0.0	39.0
Max Rad.	31.0	43.0	45.0
Capacity	11,700	3,600	0

4010140

Rated Lifting
Capacities In
Pounds



On Tires - Pick And Carry - Creep
Boom Centered Over Front

0 lbs

Radius (ft)	Boom Length (ft)		
	38	50	64
Front	Front	Front	
10	60,900		
12	54,100	42,700	
15	43,700	42,700	26,000
20	31,700	30,100	26,000
25	19,600	18,500	17,600
30	12,900	12,100	11,400
35		7,900	7,400
40		5,000	4,600

Min Angle	0.0	0.0	39.0
Max Rad.	31.0	43.0	45.0
Capacity	11,700	3,600	0

5010150

Rated Lifting
Capacities In
Pounds



On Tires - Pick And Carry - 2.5 mph
Boom Centered Over Front



0 lbs



Radius (ft)	Boom Length (ft)		
	38 Front	50 Front	64 Front
10	37,300		
12	32,000	31,300	
15	25,800	25,200	24,600
20	18,500	17,900	17,400
25	13,500	12,900	12,400
30	9,800	9,200	8,800
35		6,400	6,000
40		4,200	3,800

Min Angle	0.0	0.0	39.0
Max Rad.	31.0	43.0	45.0
Capacity	9,100	3,000	0

6010160

Rated Lifting
Capacities In
Pounds



On Tires - Stationary - 360°



0 lbs



Radius (ft)	Boom Length (ft)		
	38 360°	50 360°	64 360°
10	33,300		
12	23,400	21,800	
15	14,800	13,700	12,700
20	7,200	6,500	5,700
25	3,200	2,500	

Min Angle	29.0	52.5	63.5
Max Rad.	27.3	25.8	24.7
Capacity	0	0	0

7010170

Rated Lifting
Capacities In
Pounds



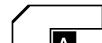
On Tires -Stationary -Over Front
Between Tire Tracks

14,500 lbs

Radius (ft)	Boom Length (ft)				
	38 Front	50 Front	65 Front	80 Front	95 Front
10	68,800				
12	60,900	46,000			
15	51,700	46,000	35,200		
20	40,700	42,300	35,200	26,500	
25	31,800	33,900	35,200	26,500	
30	22,500	24,600	25,800	26,500	20,800
35		18,500	19,800	20,400	20,800
40		14,300	15,600	16,200	16,600
45			12,500	13,200	13,600
50			10,100	10,800	11,200
55			8,200	8,900	9,400
60				7,400	7,800
65				6,100	6,600
70				5,000	5,500
75					4,600
80					3,800
85					3,100
Min Angle	0.0	0.0	0.0	0.0	0.0
Max Rad.	31.0	43.0	58.0	73.0	88.0
Capacity	21,000	12,300	7,200	4,500	2,800

4020180

Rated Lifting
Capacities In
Pounds



On Tires - Pick And Carry - Creep
Boom Centered Over Front

14,500 lbs



Radius (ft)	Boom Length (ft)				
	38 Front	50 Front	65 Front	80 Front	95 Front
10	67,600				
12	59,200	46,000			
15	49,300	46,000	32,300		
20	37,700	39,200	32,300	26,500	
25	29,700	31,300	32,300	26,500	
30	22,500	24,600	25,800	26,500	20,800
35		18,500	19,800	20,400	20,800
40		14,300	15,600	16,200	16,600
45			12,500	13,200	13,600
50			10,100	10,800	11,200
55			8,200	8,900	9,400
60				7,400	7,800
65				6,100	6,600
70				5,000	5,500
75					4,600
80					3,800
85					3,100
Min Angle	0.0	0.0	0.0	0.0	0.0
Max Rad.	31.0	43.0	58.0	73.0	88.0
Capacity	21,000	12,300	7,200	4,500	2,800

5020190

Rated Lifting
Capacities In
Pounds



On Tires - Pick And Carry - 2.5 mph
Boom Centered Over Front

14,500 lbs

Radius (ft)	Boom Length (ft)				
	38 Front	50 Front	65 Front	80 Front	95 Front
10	41,700				
12	36,000	37,200			
15	29,300	30,700	31,600		
20	21,400	22,900	23,900	24,500	
25	15,900	17,500	18,600	19,200	
30	11,900	13,600	14,700	15,400	15,800
35		10,600	11,700	12,400	12,900
40		8,200	9,400	10,100	10,600
45			7,500	8,200	8,700
50			5,900	6,600	7,100
55			4,600	5,300	5,800
60				4,200	4,700
65				3,300	3,800
70				2,400	2,900
75					2,200
80					1,600

Min Angle	0.0	0.0	0.0	0.0	17.0
Max Rad. Capacity	31.0	43.0	58.0	73.0	85.0
	11,100	7,000	3,900	2,000	0

6020200

Rated Lifting
Capacities In
Pounds

On Tires - Stationary - 360°

14,500 lbs



Radius (ft)	Boom Length (ft)				
	38 360°	50 360°	65 360°	80 360°	95 360°
12	42,500				
15	29,600	31,500			
20	17,500	19,400			
25	11,100	12,900	14,200		
30	7,000	8,800	10,000	10,700	
35		6,000	7,200	7,900	8,300
40		4,000	5,100	5,800	6,300
45			3,600	4,300	4,700
50			2,400	3,000	3,500
55				2,000	2,500
60				1,200	1,600
65					1,000

Min Angle	0.0	0.0	20.5	32.5	42.5
Max Rad. Capacity	31.0	43.0	55.0	62.1	65.6
	6,300	3,000	0	0	0

7020210

⚠ WARNING

Do Not Raise Boom Above 68° Boom Angle, Loss of Backward Stability Will Occur Causing a Tipping Condition.

Rated Lifting
Capacities In
Pounds



On Tires -Stationary -Over Front
Between Tire Tracks

14,500 lbs

Radius (ft)	Boom Length (ft)			
	38	50	64	80
Front	Front	Front	Front	Front
10	68,800			
12	60,900	59,900		
15	51,700	50,800	39,400	
20	40,700	40,000	39,400	22,700
25	31,800	31,000	30,000	22,700
30	22,500	21,800	21,000	22,700
35		15,800	15,300	16,800
40		11,700	11,200	12,900
45			8,200	9,900
50			6,000	7,600
55			4,100	5,800
60				4,300
65				3,100
Min Angle	0.0	0.0	0.0	18.5
Max Rad.	31.0	43.0	57.0	70.0
Capacity	21,000	9,700	3,500	0

4020220

Rated Lifting
Capacities In
Pounds



On Tires - Pick And Carry - Creep
Boom Centered Over Front

14,500 lbs

Radius (ft)	Boom Length (ft)			
	38	50	64	80
Front	Front	Front	Front	Front
10	67,600			
12	59,200	58,300		
15	49,300	48,500	36,400	
20	37,700	37,000	36,400	22,700
25	29,700	29,000	28,500	22,700
30	22,500	21,800	21,000	22,700
35		15,800	15,300	16,800
40		11,700	11,200	12,900
45			8,200	9,900
50			6,000	7,600
55			4,100	5,800
60				4,300
65				3,100
Min Angle	0.0	0.0	0.0	18.5
Max Rad.	31.0	43.0	57.0	70.0
Capacity	21,000	9,700	3,500	0

5020230

Rated Lifting
Capacities In
Pounds



On Tires - Pick And Carry - 2.5 mph
Boom Centered Over Front

14,500 lbs

Radius (ft)	Boom Length (ft)			
	38 Front	50 Front	64 Front	80 Front
10	41,700			
12	36,000	35,200		
15	29,300	28,600	28,000	
20	21,400	20,700	20,200	21,600
25	15,900	15,300	14,800	16,200
30	11,900	11,300	10,800	12,400
35		8,200	7,800	9,300
40		5,800	5,400	7,000
45			3,400	5,100
50			1,800	3,500
55				2,100
60				1,000
Min Angle	0.0	0.0	20.5	34.5
Max Rad. Capacity	31.0	43.0	53.9	61.0
	11,100	4,500	0	0

6020240

Rated Lifting
Capacities In
Pounds



On Tires - Stationary - 360°

14,500 lbs

Radius (ft)	Boom Length (ft)			
	38 360°	50 360°	64 360°	80 360°
12	42,500			
15	29,600	28,400		
20	17,500	16,700		
25	11,100	10,400	9,900	
30	7,000	6,400	5,900	7,500
35		3,700	3,200	4,800
40				2,800
Min Angle	0.0	24.0	47.0	52.0
Max Rad. Capacity	31.0	40.0	39.2	45.0
	6,300	0	0	0

7020250

⚠ WARNING

Do Not Raise Boom Above 68° Boom Angle, Loss of Backward Stability Will Occur Causing a Tipping Condition.