Lifting Capacities

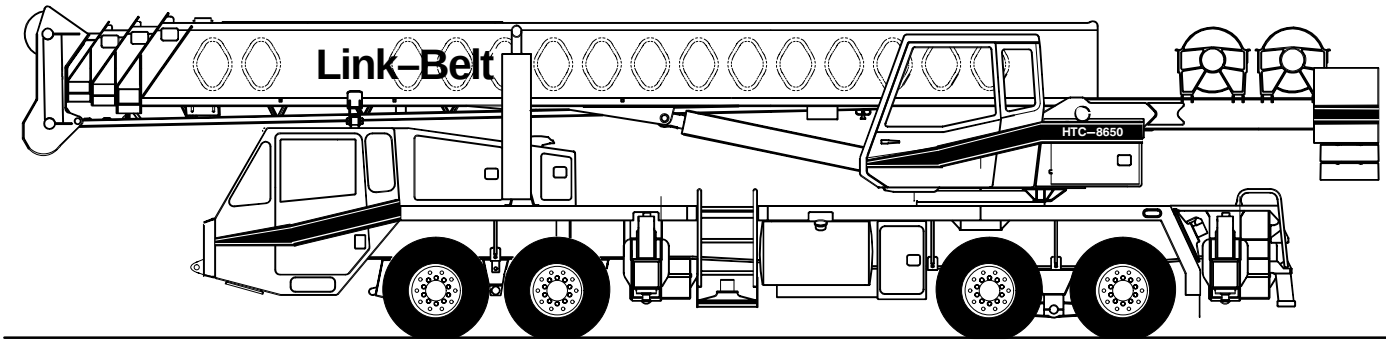
Telescopic Hydraulic Truck Crane

HTC–8650 **50–ton** *(45.36 metric ton)*

Boom and fly capacities for this machine are listed by the following sections:

Fully Extended Outriggers

- Working Range Diagram (11,000 lbs. Counterweight)
- 35.5 to 60.3 ft. *(10.82 – 18.38 m)* main boom capacities, ***A–max*** mode
- 35.5 to 110 ft. *(10.82 – 33.53 m)* main boom capacities, Basic Mode “B”
- 34 *(10.36 m)* ft. offset fly capacities, Basic Mode “B”
- 34 to 56 ft. *(10.36 – 33.53 m)* two–piece offset fly capacities, Basic mode “B”



CAUTION: This material is supplied for reference use only. Operator must refer to in–cab Crane Rating Manual to determine allowable machine lifting capacities and operating procedures.

⚠ WARNING

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

OPERATING INSTRUCTIONS

GENERAL:

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

SET UP:

1. The crane shall be leveled on a firm supporting surface. Depending on the nature of the supporting surface, it may be necessary to have structural supports under the outrigger pontoons or tires to spread the load to a larger bearing surface.
2. When making lifts on outriggers, all tires must be free of supporting surface. All outrigger beams must be extended to the same length; fully retracted, intermediate extended, or fully extended. The front bumper outrigger must be properly extended.
3. When operating on fully retracted outriggers, do not exceed 70° maximum boom angle with 11,000 lb. counterweight. Loss of backward stability will occur causing a backward tipping condition.
4. When making lifts on tires, they must be inflated to the recommended pressure. (See Operation note 20 and Tire Inflation.)
5. Before swinging boom to over side position on tires, or on fully retracted outriggers where capacities are not published, boom sections must be fully retracted and 45° boom angle maintained.
6. For required parts of line, see Wire Rope Capacity and Winch Performance.
7. When installing or removing counterweights, crane must be on fully extended outriggers and boom fully retracted. Do not exceed a 30 ft. radius when moving counterweights.
8. Before setting up on intermediate outriggers, retracted outriggers, or tires, refer to Working Range Diagrams and rated lifting capacities to determine allowable crane configurations.

OPERATION:

1. Rated lifting capacities at rated radius shall not be exceeded. Do not tip the crane to determine allowable loads. For concrete bucket operation, weight of bucket and load shall not exceed 80% of rated lifting capacities. For clamshell bucket operation, weight of bucket and bucket contents is restricted to a maximum weight of 7,000 pounds or 80% of rated lifting capacity, whichever is less. For magnet operation, weight of magnet and load is restricted to a maximum weight of 7,000 pounds or 80% of rated lifting capacity, whichever is less. For clamshell and magnet operation, maximum boom length is restricted to 55 ft. and the boom angle is restricted to a minimum of 35 degrees. Lifts with either fly erected is prohibited for both clam and magnet operation.
2. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads. Rated lifting capacities shown on intermediate extended or fully retracted outriggers are determined by the formula, rated load = (tipping load – 0.1 X load factor)/1.25. Rated lifting capacities shown on tires do not exceed 75% of the tipping loads. Tipping loads are determined by SAE crane stability test code J–765.
3. Rated lifting capacities in the shaded areas above the bold lines, 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 below the bold lines are based on stability ratings. Some capacities are limited by a maximum obtainable 78° boom angle.
4. Rated lifting capacities include the weight of the hook block, hook ball, slings, bucket, magnet, and auxiliary lifting devices. Their weights must be subtracted from the listed rated capacity to obtain the net load which can be lifted. Rated lifting capacities include the deduct for either fly stowed on the base of the boom. For deducts of either fly erected, but not used, see Capacity Deductions For Auxiliary Load Handling Equipment.
5. Rated lifting capacities are based on freely suspended loads. No attempt shall be made to move a load horizontally on the ground in any direction.
6. Rated lifting capacities are for lift crane service only.
7. Do not operate at radii or boom lengths (minimum or maximum) where capacities are not listed. At these positions, the crane can tip or cause boom failure.
8. The maximum loads which can be telescoped are not definable because of variation in loadings and crane maintenance, but it is permissible to attempt retraction and extension within the limits of the applicable load rating chart.
9. For main boom capacities when either boom length or radius or both are between values listed, proceed as follows:
   a. For boom lengths not listed, use rating for next longer boom length or next shorter boom length, whichever is smaller.
   b. For load radii not listed, use rating for next larger radius.

10 . The user shall operate at reduced ratings to allow for adverse job conditions, such as: soft or uneven ground, out of level conditions, wind, side loads, pendulum action, jerking or sudden stopping of loads, hazardous conditions, experience of personnel, traveling with loads, electrical wires, etc. Side load on boom or fly is dangerous and shall be avoided.
11 . Rated lifting capacities do not account for wind on suspended load or boom. Rated capacities and boom length shall be appropriately reduced as wind velocity approaches or exceeds 20 mph.
12 . When making lifts with auxiliary head machinery, the effective length of the boom increases by 2 ft.
13 . Power sections of boom must be extended in accordance with boom mode “A” or “B”. In boom mode “B” all power sections must be extended or retracted equally.
14 . The least stable rated working area depends on the configuration of the crane set up.
15 . Rated lifting capacities are based on correct reeving. Deduction must be made for excessive reeving. Any reeving over minimum required (see Wire Rope Capacity) is considered excessive and must be accounted for when making lifts. Use working range diagram to estimate the extra feet of rope then deduct 1 lb. for each extra foot of wire rope before attempting to lift a load.
16 . The loaded boom angle combined with the boom length give only an approximation of the operating radius. The boom angle, before loading, should be greater to account for deflection. For main boom capacities, the loaded boom angle is for reference only. For fly capacities, the loaded radius is for reference only.
17 . For fly capacities with main boom length less than 110 ft. and greater than 85 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.
18 . For fly capacities with main boom length less than 85 ft., the rated capacities are determined by the boom angle only using the 85 ft. boom and fly chart. For angles not shown, use the next lower boom angle to determine the rated capacity.
19 . The 35.5 ft. boom length rated lifting capacities are based on boom fully retracted. If the boom is not fully retracted, do not exceed capacities shown for the 45 ft. boom length.
20 . Rated lifting capacities on tires depend on tire capacity, condition of tires, and tire air pressure. On tire capacities require lifting from main boom head only on a smooth and level surface. Pick and carry operations are restricted to maximum speed of 1 mph . 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. For correct tire pressure, see “Tire Inflation”.
21 . When operating with 6,000 lb. counterweight removed (two, 3,000 lb. counterweights), use the rated capacities for 5,000 lbs. counterweight.

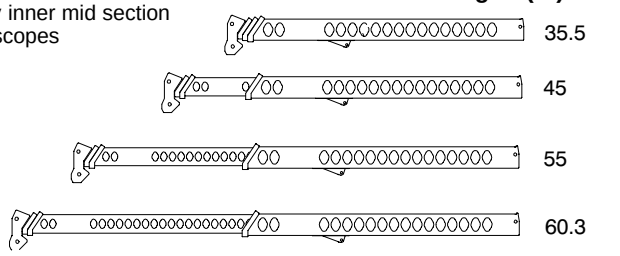
DEFINITIONS:

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

BOOM EXTENSION

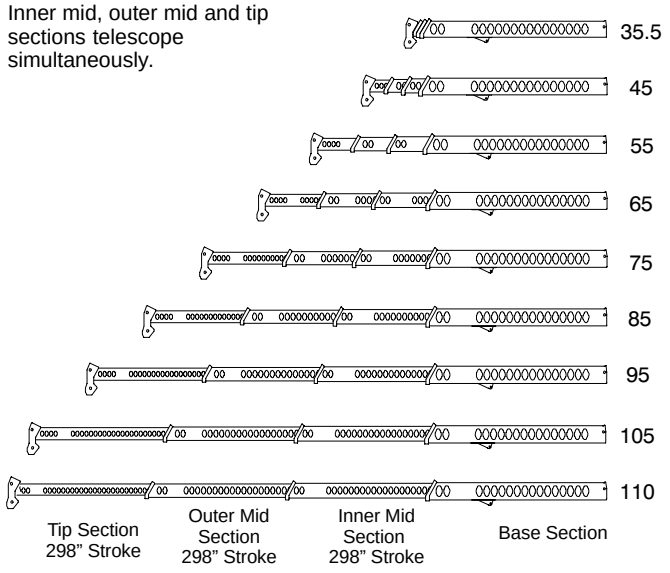
Boom Mode "A"
Only inner mid section telescopes

Boom Length (ft.)



Boom Mode "B"
Inner mid, outer mid and tip sections telescope simultaneously.

Boom Length (ft.)



TIRE INFLATION

Tire Size	Operation	Tire Pressure (psi)
12 R 22.5	1 MPH Stationary	120 120
295/80 R 22.5	1 MPH Stationary	110 110

PONTOON LOADINGS

Maximum Pontoon Load:	Maximum Pontoon Ground Bearing Pressure:
97,400 lbs.	215 psi

CAPACITY DEDUCTIONS FOR AUXILIARY LOAD HANDLING EQUIPMENT

Load Handling Equipment:	(lbs.)
Auxiliary Head Attached	100
40–ton quick reeve 4 sheave hook block (see hook block for actual weight)	720
60–ton quick reeve 4 sheave hook block (see hook block for actual weight)	1,100
70–ton quick reeve 5 sheave hook block (see hook block for actual weight)	1,400
8.5–ton hook ball (see hook ball for actual weight)	360
Lifting From Main Boom With:	**(lbs.)**
34 ft. or 56 ft. fly stowed on base (see operation note 4)	0
34 ft. offset fly erected but not used	4,200
56 ft. offset fly erected but not used	7,300
Lifting From 34 ft. Offset Fly With:	
22 ft. fly tip erected but not used	**PROHIBITED**
22 ft. fly tip stowed on 34 ft. offset fly	**PROHIBITED**
Note: Capacity deductions are for Link–Belt supplied equipment only.	

WINCH PERFORMANCE

Wire Rope Layer	Winch Line Pulls – Two Speed Winch: Low Speed Available Lbs.*	Winch Line Pulls – Two Speed Winch: High Speed Available lbs.	Drum Rope Capacity (ft.): Layer	Drum Rope Capacity (ft.): Total
1	16,407	7,793	110	110
2	15,085	7,165	119	229
3	13,959	6,631	129	358
4	12,990	6,170	138	496
5	12,147	5,770	148	644
6	N/A	N/A	158	802

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

WIRE ROPE CAPACITY

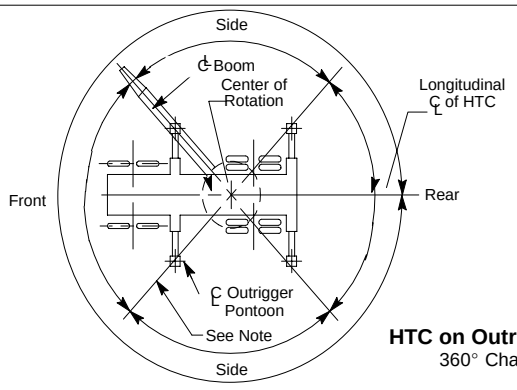
Maximum Lifting Capacities Based On Wire Rope Strength			
Parts of Line	3/4" Type RB	3/4" Type ZB	Notes
1	12,920	15,600	Capacities shown are in pounds and working loads must not exceed the ratings on the capacity charts in the Crane Rating Manual. Study Operator's Manual for wire rope inspection procedures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

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

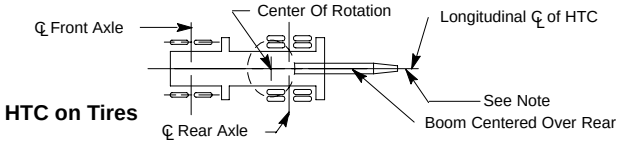
HYDRAULIC CIRCUIT PRESSURE SETTINGS

Function	Pressure (PSI)
Front And Rear Winch	2,750
Outriggers	3,000
Boom Hoist	2,900
Telescope	3,000
Swing	1,500
Steering	2,000
Bumper Outrigger	650
Pilot Control	500
Counterweight Removal	1,500

WORKING AREAS



HTC on Outriggers
360° Chart

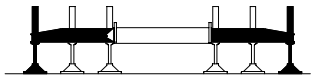


HTC on Tires

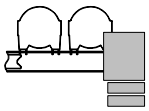
Note: These Lines Determine The Limiting Position Of Any Load For Operation Within Working Areas Indicated.

WORKING RANGE DIAGRAM

Working Range Diagram
On Fully Extended Outriggers



11,000 lbs. Counterweight



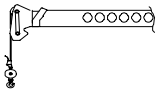
○ **Denotes Main Boom + 56’ Fly–Boom Mode “B”**
□ **Denotes Main Boom + 34’ Fly–Boom Mode “B”**
△ **Denotes Main Boom – Boom Mode “B”**

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

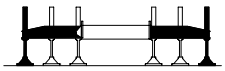
⚠ WARNING

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

Note: Refer To Page 4 For "Capacity Deductions" Caused By Auxiliary Load Handling Equipment.



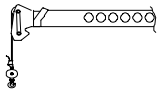
Boom Mode "A"
11,000 lbs. Counterweight



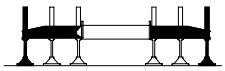
Rated Lifting Capacities In Pounds On Fully Extended Outriggers See Set Up Note 2.

Load Radius (ft)	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. 360°	35.5 Ft. Over Rear	45 Ft. Loaded Boom Angle (Deg.)	45 Ft. 360°	45 Ft. Over Rear
10	68.5	100,000	100,000	73.5	87,100	87,100
12	65.0	96,700	96,700	71.0	87,100	87,100
15	59.5	82,500	82,500	66.5	82,100	82,100
20	49.5	64,100	64,100	59.5	63,700	63,700
25	37.5	47,300	49,500	51.5	46,500	49,200
30	20.0	32,800	37,100	42.5	32,500	37,000
35				32.0	24,000	28,000
40				15.5	18,200	21,800
Min. Boom Angle/Cap.	0	19,900	19,900	0	13,200	13,200

Load Radius (ft)	55 Ft. Loaded Boom Angle (Deg.)	55 Ft. 360°	55 Ft. Over Rear	60.3 Ft. Loaded Boom Angle (Deg.)	60.3 Ft. 360°	60.3 Ft. Over Rear
10	77.0	79,500	79,500			
12	75.0	72,200	72,200	76.5	61,300	61,300
15	71.5	63,300	63,300	73.5	57,600	57,600
20	66.0	52,100	52,100	68.5	47,100	47,100
25	60.0	44,000	44,000	63.0	39,500	39,500
30	53.5	32,000	36,500	57.5	31,800	33,900
35	46.5	23,700	27,700	51.5	23,500	27,500
40	38.5	18,100	21,800	45.0	18,000	21,600
45	29.0	14,100	17,300	37.5	14,000	17,300
50	14.5	11,000	13,900	28.5	11,000	13,900
55				15.0	8,600	11,300
Min. Boom Angle/Cap.	0	8,400	8,400	0	6,500	6,500



Boom Mode "B"
11,000 lbs. Counterweight

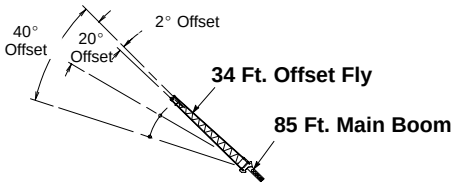


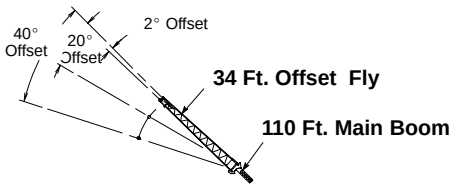
Rated Lifting Capacities In Pounds On Fully Extended Outriggers See Set Up Note 2.

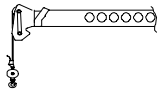
Load Radius (ft)	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. 360°	35.5 Ft. Over Rear	45 Ft. Loaded Boom Angle (Deg.)	45 Ft. 360°	45 Ft. Over Rear	55 Ft. Loaded Boom Angle (Deg.)	55 Ft. 360°	55 Ft. Over Rear
10	68.5	100,000	100,000	73.0	42,000	42,000	76.5	42,000	42,000
12	65.0	96,700	96,700	70.5	42,000	42,000	74.5	42,000	42,000
15	59.5	82,500	82,500	66.5	42,000	42,000	71.5	42,000	42,000
20	49.5	64,100	64,100	59.5	42,000	42,000	66.0	42,000	42,000
25	37.5	47,300	49,500	51.5	42,000	42,000	60.0	42,000	42,000
30	20.0	32,800	37,100	42.5	34,000	38,400	53.5	34,600	38,900
35				32.0	25,500	29,300	46.5	26,000	30,000
40				15.5	19,500	23,000	38.5	20,400	23,900
45							29.0	16,200	19,400
50							14.0	13,000	15,900
Min. Boom Angle/ Cap.	0	19,900	19,900	0	14,300	14,300	0	10,200	10,200

Load Radius (ft)	65 Ft. Loaded Boom Angle (Deg.)	65 Ft. 360°	65 Ft. Over Rear	75 Ft. Loaded Boom Angle (Deg.)	75 Ft. 360°	75 Ft. Over Rear	85 Ft. Loaded Boom Angle (Deg.)	85 Ft. 360°	85 Ft. Over Rear
12	77.0	42,000	42,000						
15	74.5	42,000	42,000	77.0	42,000	42,000			
20	70.0	42,000	42,000	73.0	42,000	42,000	75.5	35,900	35,900
25	65.5	42,000	42,000	69.0	41,700	41,700	72.0	31,500	31,500
30	60.0	34,900	39,100	65.0	35,100	37,100	68.5	28,100	28,100
35	54.5	26,300	30,300	60.5	26,500	30,400	64.5	25,400	25,400
40	49.0	20,700	24,200	56.0	20,900	24,400	61.0	21,100	23,000
45	42.5	16,600	19,800	51.0	16,800	20,000	56.5	17,000	20,200
50	35.5	13,600	16,400	45.5	13,800	16,700	52.5	13,900	16,800
55	26.5	11,200	13,700	40.0	11,500	14,100	48.0	11,600	14,200
60	13.0	9,100	11,600	33.0	9,600	12,000	43.0	9,700	12,200
65				25.0	7,900	10,200	37.5	8,200	10,400
70				12.5	6,600	8,600	31.5	6,900	8,900
75							23.5	5,700	7,700
80							12.0	4,700	6,500
Min. Boom Angle/ Cap	0	7,400	7,400	0	5,400	5,400	0	3,900	3,900

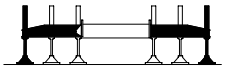
Load Radius (ft)	95 Ft. Loaded Boom Angle (Deg.)	95 Ft. 360°	95 Ft. Over Rear	105 Ft. Loaded Boom Angle (Deg.)	105 Ft. 360°	105 Ft. Over Rear	110 Ft. Loaded Boom Angle (Deg.)	110 Ft. 360°	110 Ft. Over Rear
20	77.5	31,800	31,800						
25	74.5	28,300	28,300	76.0	25,700	25,700	77.0	22,600	22,600
30	71.0	25,300	25,300	73.5	23,100	23,100	74.5	22,100	22,100
35	68.0	22,800	22,800	70.5	20,900	20,900	71.5	20,000	20,000
40	64.5	20,800	20,800	67.5	19,000	19,000	69.0	18,300	18,300
45	61.0	17,100	19,000	64.5	17,200	17,400	66.0	16,700	16,700
50	57.5	14,000	16,900	61.5	14,100	15,900	63.0	14,100	15,200
55	53.5	11,800	14,300	58.0	11,900	14,400	60.0	11,900	13,900
60	49.5	9,900	12,300	54.5	10,000	12,400	57.0	10,000	12,400
65	45.5	8,300	10,600	51.0	8,400	10,700	53.5	8,400	10,700
70	41.0	7,000	9,100	47.5	7,100	9,200	50.0	7,100	9,200
75	35.5	5,900	7,900	43.5	6,000	8,000	46.5	6,100	8,000
80	30.0	4,900	6,800	39.0	5,100	6,900	42.5	5,100	7,000
85	22.5	4,100	5,800	34.0	4,300	6,000	38.0	4,300	6,000
90	11.5	3,300	4,900	28.5	3,500	5,100	33.5	3,600	5,200
95				21.5	2,900	4,400	28.0	2,900	4,500
100				11.0	2,300	3,700	21.5	2,300	3,800
Min. Boom Angle/ Cap.	0	2,700	2,700	4.5			17.0		





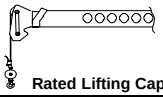


Boom Mode "B"
11,000 lbs. Counterweight

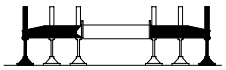


Rated Lifting Capacities In Pounds On Fully Extended Outriggers See Set Up Note 2.

Load Radius (ft)	2° Offset		20° Offset		40° Offset	
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°
25	77.5	18,600				
30	75.0	17,000				
35	73.0	15,600	77.5	11,000		
40	70.5	14,500	75.0	10,500		
45	68.0	13,600	72.5	10,100	77.0	8,200
50	65.0	12,700	70.0	9,600	74.5	7,900
55	62.5	11,900	67.5	9,300	71.5	7,600
60	60.0	11,100	64.5	8,900	69.0	7,400
65	57.0	9,600	62.0	8,600	66.0	7,200
70	54.0	8,300	59.0	8,200	62.5	7,000
75	50.5	7,200	55.5	7,800	59.5	6,800
80	47.0	6,200	52.5	6,800	56.0	6,700
85	43.5	5,400	48.5	5,900	52.0	6,300
90	40.0	4,700	45.0	5,100	48.0	5,600
95	35.5	4,000	40.5	4,400	43.0	4,600
100	31.0	3,400	35.5	3,700		
105	26.0	2,900	30.0	3,100		
110	19.0	2,400	23.0	2,600		
Min.Bm. Ang./Cap.	0	1,700	0	1,800	0	1,900



Boom Mode "B"
11,000 lbs. Counterweight

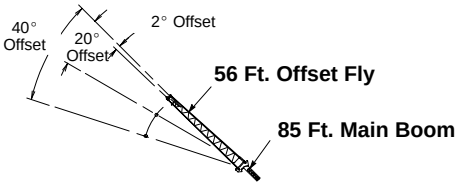


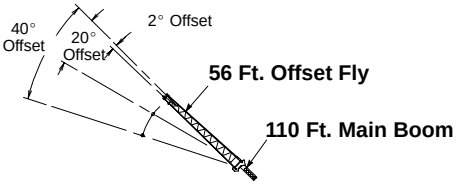
Rated Lifting Capacities In Pounds On Fully Extended Outriggers See Set Up Note 2.

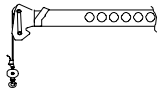
Load Radius (ft)	2° Offset		20° Offset		40° Offset	
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°
35	76.5	10,500				
40	74.5	10,500				
45	72.5	10,500	77.0	9,500		
50	70.5	9,800	75.0	8,700		
55	68.5	8,900	72.5	8,000	76.5	7,400
60	66.5	8,200	70.5	7,400	74.0	6,900
65	64.0	7,500	68.5	6,800	72.0	6,400
70	62.0	6,900	66.0	6,400	69.5	6,000
75	59.5	6,400	63.5	6,000	67.0	5,600
80	57.0	5,900	61.5	5,600	64.5	5,300
85	54.5	5,100	59.0	5,200	62.0	5,000
90	52.0	4,400	56.5	4,900	59.5	4,700
95	49.0	3,700	53.5	4,200	56.5	4,500
100	46.5	3,200	50.5	3,600	53.5	3,900
105	43.5	2,600	47.5	3,000	50.0	3,300
110	40.0	2,200	44.0	2,500	46.5	2,800
115			40.5	2,100	42.5	2,200
120			37.0	1,700		

⚠ WARNING

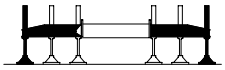
Do Not Lower 34 Ft. Offset Fly In Working Position Below 36° Main Boom Angle Unless Main Boom Length Is 88 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.







Boom Mode "B"
11,000 lbs. Counterweight

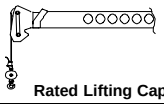


Rated Lifting Capacities In Pounds On Fully Extended Outriggers See Set Up Note 2.

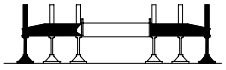
Load Radius (ft)	2° Offset		20° Offset		40° Offset	
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°
35	76.5	11,100				
40	74.5	10,500				
45	72.5	9,600				
50	70.0	8,800	77.0	6,200		
55	68.0	8,100	75.0	5,900		
60	66.0	7,600	73.0	5,600		
65	63.5	7,000	70.5	5,300	77.0	4,200
70	61.5	6,600	68.5	5,000	74.5	4,000
75	59.0	6,200	66.0	4,800	72.0	3,900
80	56.5	5,800	63.5	4,600	69.5	3,800
85	54.0	5,500	61.0	4,400	66.5	3,700
90	51.5	5,200	58.5	4,200	64.0	3,600
95	48.5	4,600	55.5	4,000	61.0	3,500
100	45.5	4,000	52.5	3,900	57.5	3,500
105	42.5	3,500	49.5	3,800	54.5	3,400
110	39.0	3,000	46.0	3,500	50.5	3,400
115	35.5	2,600	42.5	3,100	46.5	3,300
120	31.5	2,200	38.0	2,600	41.0	2,800
125	27.5	1,900	33.5	2,200		
130	22.0	1,600	27.5	1,800		

⚠ WARNING

Do Not Lower 56 Ft. Offset Fly In Working Position Below 20.5° Main Boom Angle Unless Main Boom Length Is 80 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.



Boom Mode "B"
11,000 lbs. Counterweight



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

Load Radius (ft)	2° Offset		20° Offset		40° Offset	
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°
40	77.0	6,900				
45	75.5	6,900				
50	74.0	6,900				
55	72.5	6,900				
60	70.5	6,400	77.0	5,600		
65	69.0	5,900	75.0	5,200		
70	67.0	5,400	73.0	4,800		
75	65.0	5,000	71.5	4,500	76.5	4,000
80	63.0	4,600	69.5	4,200	74.5	3,800
85	61.0	4,300	67.5	3,900	72.5	3,600
90	59.0	4,000	65.5	3,600	70.5	3,300
95	57.0	3,700	63.0	3,400	68.0	3,100
100	55.0	3,500	61.0	3,200	66.0	3,000
105	53.0	3,100	59.0	3,000	63.5	2,800
110	50.5	2,600	56.5	2,800	61.0	2,600
115	48.0	2,200	54.0	2,700	58.5	2,500
120			51.5	2,400	55.5	2,400
125			48.5	2,000	52.5	2,300
130					49.5	1,900

⚠ WARNING

Do Not Lower 56 Ft. Offset Fly In Working Position Below 45.5° Main Boom Angle Unless Main Boom Length Is 80 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.