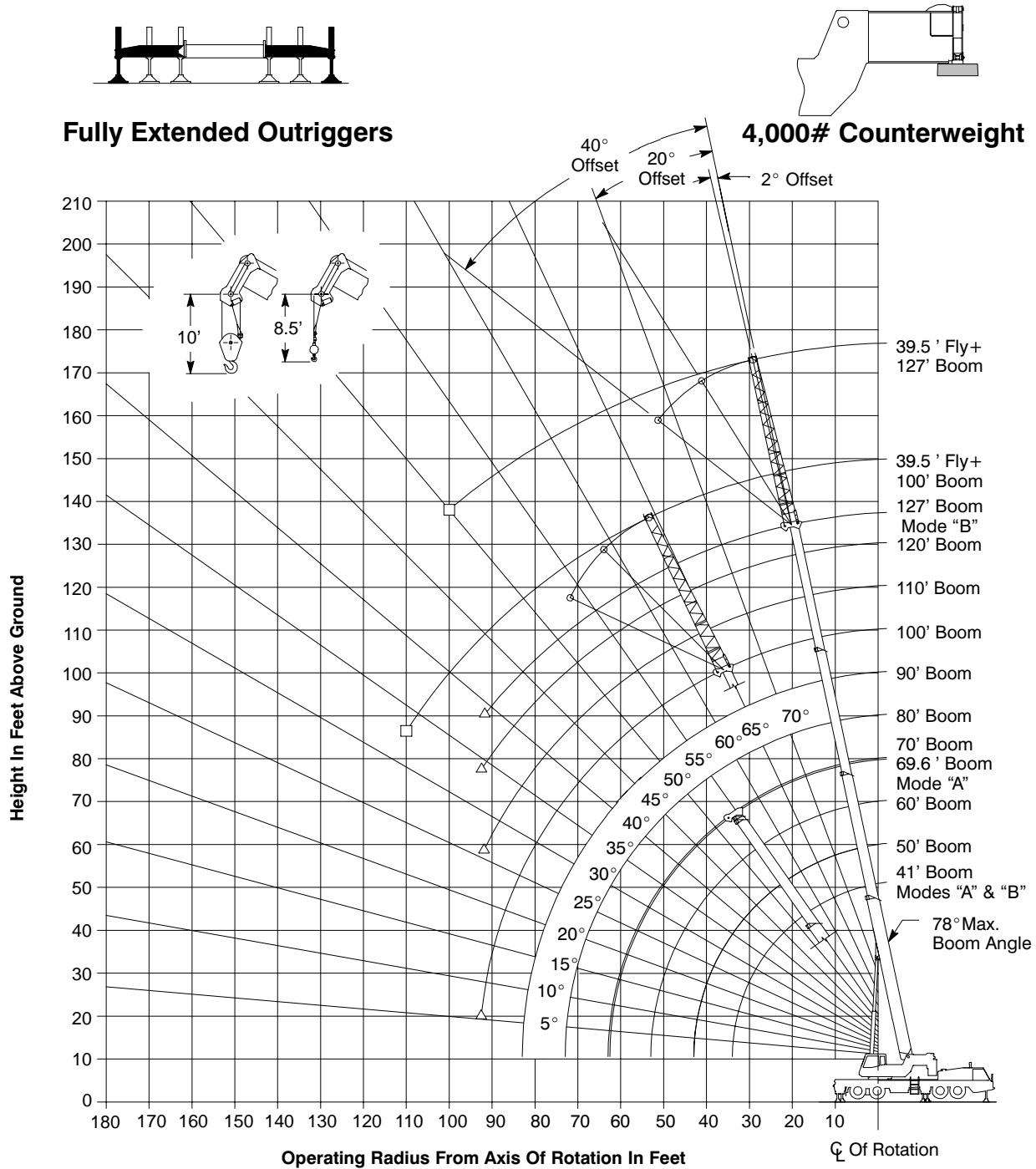




LIFTING CHARTS - Hydraulic Truck Cranes

LINK-BELT MODEL HTC-8675LB - 75 TON CAPACITY

## Working Range Diagram



- Denotes Main Boom + 39.5' Fly—Boom Mode "B"
- △ Denotes Main Boom—Boom Mode "B"

**Crane Configurations Prohibited:**  
67' Offset Fly

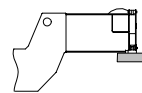
**Note:** Boom and fly geometry shown are for unloaded condition and crane standing level on firm supporting surface. Boom deflection, subsequent radius, and boom angle change must be accounted for when applying load to hook.

# STERLING CRANE

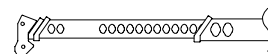
**Rated Lifting Capacities In Pounds  
Fully Extended Outriggers  
See Set Up Note 2.**



**Full**



**4,000#**



**Main Boom  
"A"**

Load Radius (ft)	41'			50'			Load Radius (ft)
	$\angle$ °	360°	Over Rear	$\angle$ °	360°	Over Rear	
10	69.0	121,900	121,900	73.0	75,100	75,100	10
12	66.0	108,600	108,600	70.5	75,100	75,100	12
15	61.0	92,900	92,900	67.0	75,100	75,100	15
20	52.5	68,100	68,100	60.5	67,600	67,600	20
25	42.5	49,100	49,100	53.0	48,100	48,100	25
30	29.0	34,900	34,900	45.5	34,300	34,300	30
35				36.0	25,700	25,700	35
40				23.0	19,800	19,800	40
Min.Bm. Ang/Cap.	0 (34.0)	21,100	21,100	0 (43.0)	15,900	15,900	Min.Bm. Ang/Cap.

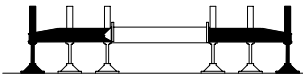
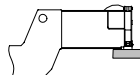
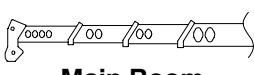
Load Radius (ft)	60'			69.6'			Load Radius (ft)
	$\angle$ °	360°	Over Rear	$\angle$ °	360°	Over Rear	
10	76.5	74,000	74,000				10
12	74.5	74,000	74,000	76.5	43,900	43,900	12
15	71.5	74,000	74,000	74.5	43,900	43,900	15
20	66.0	67,100	67,100	70.0	43,900	43,900	20
25	60.5	47,400	47,400	65.5	43,900	43,900	25
30	54.5	33,700	33,700	60.5	33,200	33,200	30
35	48.5	25,200	25,200	55.5	24,800	24,800	35
40	41.0	19,500	19,500	50.0	19,100	19,100	40
45	32.5	15,000	15,200	44.0	14,600	14,900	45
50	21.0	11,600	12,000	37.5	11,300	11,800	50
55				29.5	8,700	9,300	55
60				18.5	6,600	7,200	60
Min.Bm. Ang/Cap.	0 (53.0)	9,800	10,300	0 (62.6)	5,600	6,200	Min.Bm. Ang/Cap.

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

$\angle$  Loaded Boom Angle In Degrees.

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

# STERLING CRANE

<b>Rated Lifting Capacities In Pounds</b> <b>Fully Extended Outriggers</b> <b>See Set Up Note 2.</b>							
 <b>Full</b>				 <b>4,000#</b>		 <b>Main Boom "B"</b>	
Load Radius (ft)	41'			50'			Load Radius (ft)
	$\angle$ °	360°	Over Rear	$\angle$ °	360°	Over Rear	
10	69.0	121,900	121,900	73.0	38,000	38,000	10
12	66.0	108,600	108,600	70.5	38,000	38,000	12
15	61.0	92,900	92,900	67.0	38,000	38,000	15
20	52.5	68,100	68,100	60.5	38,000	38,000	20
25	42.5	49,100	49,100	53.0	38,000	38,000	25
30	29.0	34,900	34,900	45.0	35,900	35,900	30
35				36.0	27,100	27,100	35
40				23.0	21,100	21,100	40
Min.Bm. Ang/Cap.	0 (34.0)	21,100	21,100	0 (43.0)	14,900	14,900	Min.Bm. Ang/Cap.

Load Radius (ft)	60'			70'			Load Radius (ft)
	$\angle$ °	360°	Over Rear	$\angle$ °	360°	Over Rear	
10	76.0	38,000	38,000				10
12	74.0	38,000	38,000	76.5	38,000	38,000	12
15	71.0	38,000	38,000	74.5	38,000	38,000	15
20	66.0	38,000	38,000	70.0	38,000	38,000	20
25	60.5	38,000	38,000	65.5	38,000	38,000	25
30	54.5	36,400	36,400	60.5	36,700	36,700	30
35	48.0	27,700	27,700	55.5	28,000	28,000	35
40	41.0	21,800	21,800	50.0	22,200	22,200	40
45	32.5	17,400	17,500	44.5	17,800	17,900	45
50	21.0	13,900	14,200	38.0	14,300	14,600	50
55				30.0	11,700	12,100	55
60				19.0	9,500	10,000	60
Min.Bm. Ang/Cap.	0 (53.0)	10,500	10,500	0 (63.0)	7,600	7,600	Min.Bm. Ang/Cap.

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

$\angle$  Loaded Boom Angle In Degrees.

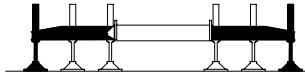
( ) Reference Radius For Minimum Boom Angle Capacities (Shown In Parenthesis) Are In Feet.



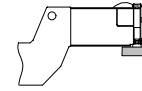
# STERLING CRANE

Load Radius (ft)		110'			120'			127'			Load Radius (ft)
		$\angle$ °	360°	Over Rear	$\angle$ °	360°	Over Rear	$\angle$ °	360°	Over Rear	
25	76.0	29,400	29,400	77.5	23,300	23,300	78.0*	19,600	19,600	25	
30	73.5	26,200	26,200	75.0	23,300	23,300	76.0	19,600	19,600	30	
35	70.5	23,500	23,500	72.5	21,500	21,500	74.0	19,600	19,600	35	
40	68.0	21,200	21,200	70.0	19,400	19,400	71.5	18,400	18,400	40	
45	65.0	18,400	18,400	67.5	17,600	17,600	69.0	16,400	16,400	45	
50	61.5	14,900	15,200	65.0	15,000	15,300	66.5	14,900	14,900	50	
55	58.5	12,300	12,800	62.0	12,400	12,700	64.0	12,500	12,700	55	
60	55.0	10,200	10,700	59.0	10,300	10,800	61.5	10,300	10,800	60	
65	51.5	8,500	9,000	56.0	8,600	9,100	58.5	8,600	9,100	65	
70	48.0	7,100	7,600	53.0	7,100	7,700	55.5	7,200	7,700	70	
75	44.0	5,900	6,400	49.5	5,900	6,500	52.5	6,000	6,500	75	
80	40.0	4,800	5,400	46.0	4,900	5,500	49.5	4,900	5,500	80	
85	35.5	3,900	4,500	42.5	4,000	4,600	46.0	4,100	4,600	85	
90	30.5	3,200	3,700	38.5	3,200	3,800	43.0	3,300	3,800	90	
Min.Bm. Ang/ Cap.	26.0 (93.7)			34.0 (94.9)			39.0 (95.2)			Min.Bm. Ang/ Cap.	

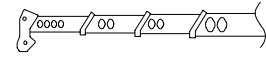
Rated Lifting Capacities In Pounds Fully Extended Outriggers See Set Up Note 2.



Full



4,000#



Main Boom "B"

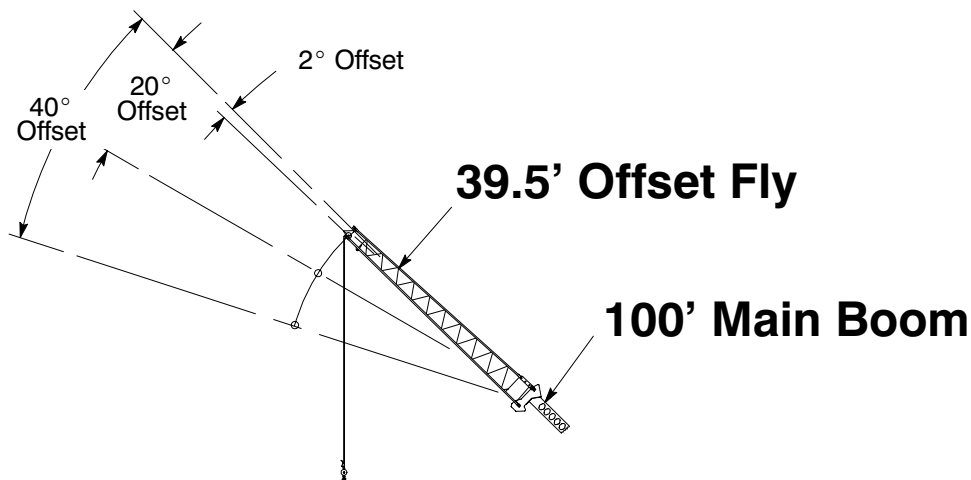
Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

$\angle$  ° Loaded Boom Angle In Degrees.

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

\* This capacity based on maximum obtainable boom angle.

# STERLING CRANE



Load Radius (ft)		2° Offset		20° Offset		40° Offset		Load Radius (ft)
		$\angle^\circ$	360°	$\angle^\circ$	360°	$\angle^\circ$	360°	
30	77.0	13,900						30
35	75.0	13,400						35
40	73.0	12,800						40
45	71.0	12,200	76.0	9,400				45
50	69.0	11,700	74.0	8,900				50
55	67.0	11,100	71.5	8,500	76.0	6,600		55
60	64.5	10,600	69.5	8,100	73.5	6,400		60
65	62.5	10,100	67.0	7,800	71.0	6,300		65
70	59.5	8,700	64.5	7,400	68.5	6,100		70
75	57.0	7,500	62.0	7,200	66.0	6,000		75
80	54.5	6,400	59.5	6,900	63.5	5,800		80
85	51.5	5,500	57.0	6,300	60.5	5,700		85
90	48.5	4,700	54.0	5,400	57.5	5,600		90
95	45.5	4,000	51.0	4,600	54.5	5,100		95
100	42.5	3,400	47.5	3,900	51.0	4,300		100
105	39.0	2,800	44.0	3,300	47.0	3,600		105
110	35.5	2,300	40.0	2,700	42.5	2,900		110
115			36.0	2,200	37.5	2,300		115

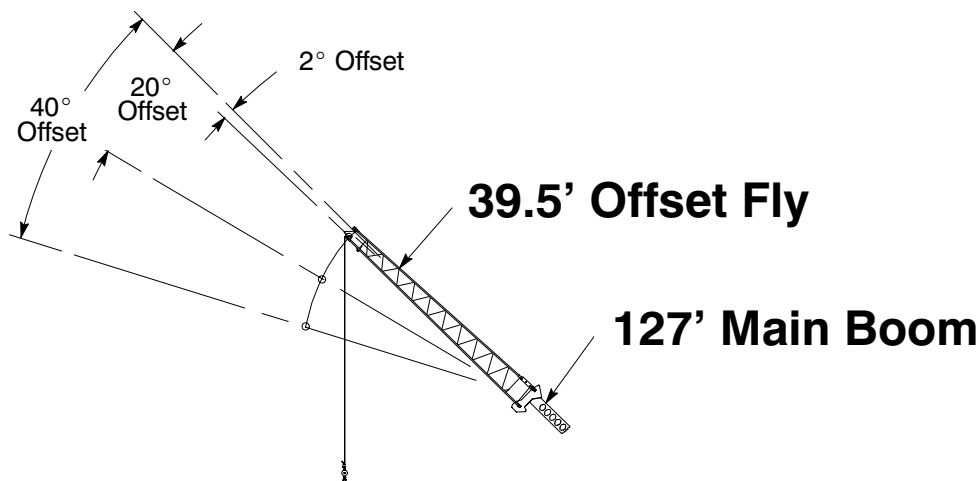
## ⚠ WARNING

Do Not Lower 39.5' Offset Fly In Working Position Below 33° Main Boom Angle Unless Main Boom Length Is 84' Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

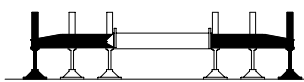
Note: Refer To Page 8 For "Lifting Capacity Deductions For Auxiliary Load Handling Equipment".

$\angle^\circ$  Loaded Boom Angle In Degrees.

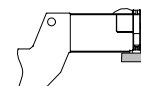
# STERLING CRANE



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



Full



4,000#

Load Radius (ft)	2° Offset		20° Offset		40° Offset		Load Radius (ft)
	$\angle^\circ$	360°	$\angle^\circ$	360°	$\angle^\circ$	360°	
35	78.0*	8,300					35
40	76.5	8,300					40
45	75.0	8,300					45
50	73.5	8,300	78.0*	8,200			50
55	71.5	8,300	76.0	8,000			55
60	70.0	8,300	74.5	7,800			60
65	68.5	8,300	72.5	7,600	76.0	6,200	65
70	66.5	8,300	71.0	7,400	74.5	6,100	70
75	64.5	7,100	69.0	7,200	72.5	6,000	75
80	62.5	6,000	67.0	7,000	70.5	5,800	80
85	60.0	5,100	65.0	6,000	68.5	5,700	85
90	58.0	4,300	62.5	5,200	66.5	5,700	90
95	55.5	3,600	60.5	4,400	64.0	5,000	95
100	53.5	3,000	58.0	3,700	61.5	4,200	100
105	51.0	2,400	55.5	3,100	58.5	3,600	105
110			53.0	2,500	56.0	2,900	110
115					53.0	2,400	115



## WARNING

Do Not Lower 39.5' Offset Fly In Working Position Below 50° Main Boom Angle Unless Main Boom Length Is 84' Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

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

$\angle^\circ$  Loaded Boom Angle In Degrees.

\* This capacity based on maximum obtainable boom angle.