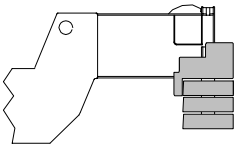
STERLING CRANE

LIFTING CHARTS - Hydraulic Truck Cranes

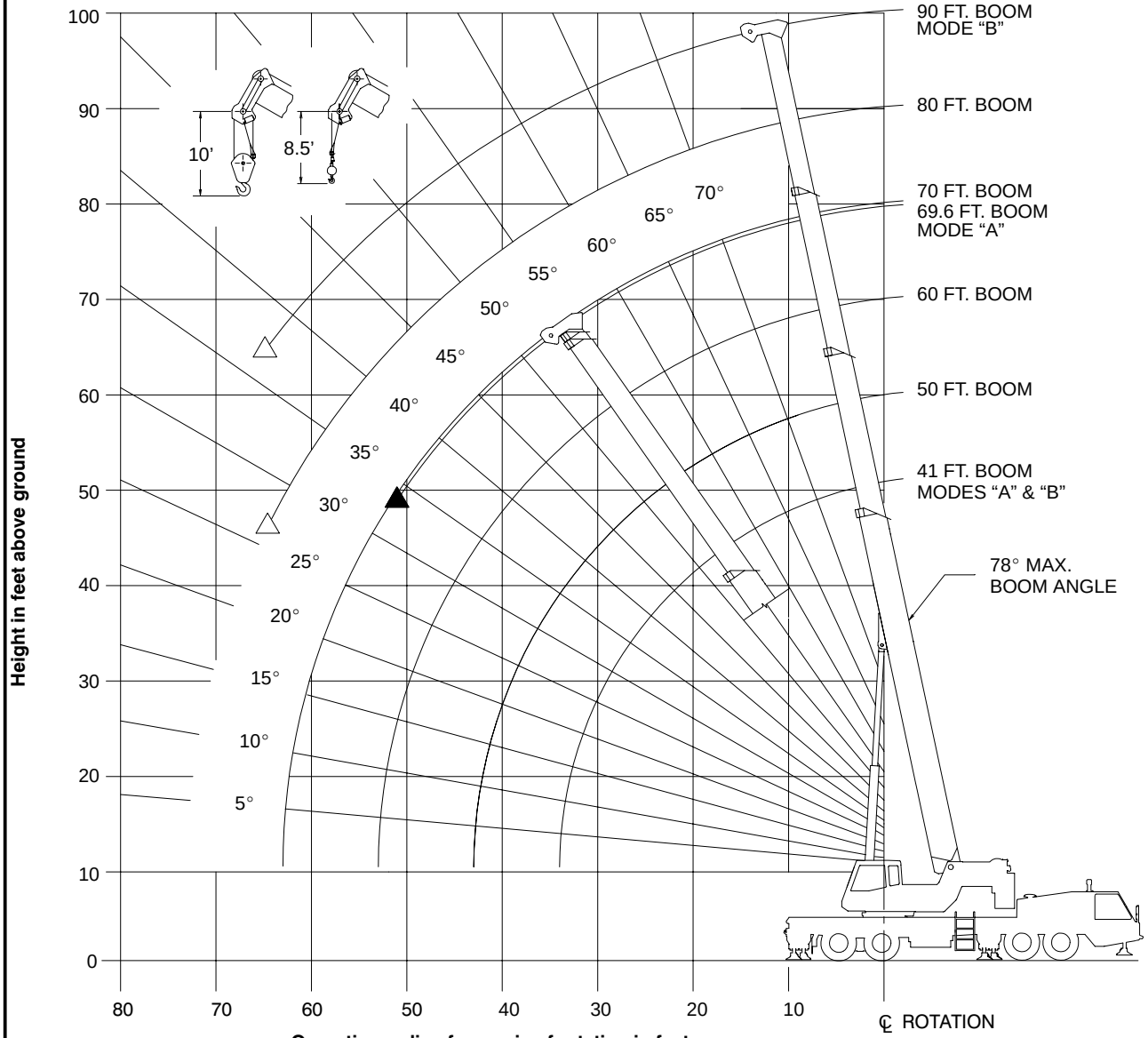
LINK-BELT MODEL HTC-8670LB - 70 TON CAPACITY

WORKING RANGE DIAGRAM

On Tires



16,000# Counterweight



Crane Configurations Prohibited:
Boom Lengths Greater Than 90 Ft.
39.5 Ft. Offset Fly
67 Ft. Offset Fly

▲ **Denotes Main Boom Centered Over Rear — Mode "A"**
△ **Denotes Main Boom Centered Over Rear — Mode "B"**

Note: Boom geometry shown is 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.

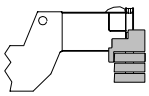
⚠ WARNING

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.

STERLING CRANE

On Tire Capacities In Pounds
Tire Pressure: See Page 5
Stationary Capacities
Boom Centered Over Rear
See Operation Note 20.

ON TIRES



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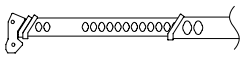


MAIN BOOM "A"

Load Radius (Ft.)	41 Ft. ∠°	41 Ft. Load	50 Ft. ∠°	50 Ft. Load	Load Radius (Ft.)
10	69.0	31,700			10
12	66.0	28,700			12
15	61.0	24,900	66.5	24,600	15
20	52.5	19,800	60.0	19,500	20
25	42.0	15,900	53.0	15,600	25
30	29.0	12,800	45.0	12,600	30
35			36.0	10,100	35
40			23.0	7,500	40
Min.Boom Ang/Cap.	0 (34.0)	10,700	0 (43.0)	6,100	Min.Boom Ang/Cap.

Load Radius (Ft.)	60 Ft. ∠°	60 Ft. Load	69.6 Ft. ∠°	69.6 Ft. Load	Load Radius (Ft.)
25	60.5	15,400			25
30	54.5	12,400	60.0	12,200	30
35	48.0	9,900	55.0	9,700	35
40	41.0	7,300	50.0	7,200	40
45	32.5	5,300	44.0	5,100	45
50	21.0	3,700	37.5	3,500	50
Min.Boom Ang/Cap.	0 (53.0)	2,800	33.5 (52.7)		Min.Boom Ang/Cap.

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

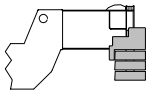
∠° Loaded Boom Angle In Degrees.

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

STERLING CRANE

On Tire Capacities In Pounds
Tire Pressure: See Page 5
Stationary Capacities
Boom Centered Over Rear
See Operation Note 20.

ON TIRES



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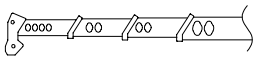


MAIN BOOM "B"

Load Radius (Ft.)	41 Ft. ∠°	41 Ft. Load	50 Ft. ∠°	50 Ft. Load	60 Ft. ∠°	60 Ft. Load	Load Radius (Ft.)
10	69.0	31,700					10
12	66.0	28,700					12
15	61.0	24,900	66.5	25,300			15
20	52.5	19,800	60.0	20,200			20
25	42.0	15,900	53.0	16,400	60.0	16,700	25
30	29.0	12,800	45.0	13,400	54.5	13,700	30
35			35.5	10,900	48.0	11,400	35
40			23.0	8,500	41.0	9,100	40
45					32.5	7,000	45
50					20.5	5,300	50
Min.Boom Ang/Cap.	0 (34.0)	10,700	0 (43.0)	7,100	0 (53.0)	4,500	Min.Boom Ang/Cap.

Load Radius (Ft.)	70 Ft. ∠°	70 Ft. Load	80 Ft. ∠°	80 Ft. Load	90 Ft. ∠°	90 Ft. Load	Load Radius (Ft.)
30	60.5	14,000					30
35	55.5	11,700	60.5	11,900			35
40	50.0	9,400	56.0	9,700	60.5	9,800	40
45	44.0	7,300	51.5	7,600	56.5	7,800	45
50	37.5	5,700	46.5	5,900	52.5	6,100	50
55	30.0	4,400	41.0	4,600	48.5	4,800	55
60	19.0	3,300	35.0	3,500	44.0	3,700	60
65			28.0	2,600	39.0	2,800	65
Min.Boom Ang/Cap.	0 (63.0)	2,700	26.5 (65.7)		37.0 (66.8)		Min.Boom Ang/Cap.

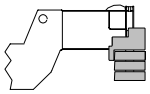
Note: Refer To Page 8 For "Capacity Deductions For Auxiliary Load Handling Equipment".

∠° Loaded Boom Angle In Degrees.

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

On Tire Capacities In Pounds
Tire Pressure: See Page 5
Pick & Carry Capacities
(1 MPH) Boom Centered Over Rear
See Operation Note 20.

ON TIRES



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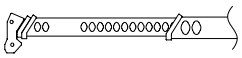


MAIN BOOM "A"

Load Radius (Ft.)	41 Ft. ∠°	41 Ft. Load	50 Ft. ∠°	50 Ft. Load	Load Radius (Ft.)
10	69.0	20,100			10
12	66.0	20,100			12
15	61.0	17,400	66.5	17,100	15
20	52.5	13,300	60.0	13,100	20
25	42.0	10,200	53.0	10,000	25
30	29.0	7,800	45.0	7,500	30
35			35.5	5,500	35
40			23.0	3,900	40
Min.Boom Ang/Cap.	0 (34.0)	6,000	0 (43.0)	2,900	Min.Boom Ang/Cap.

Load Radius (Ft.)	60 Ft. ∠°	60 Ft. Load	69.6 Ft. ∠°	69.6 Ft. Load	Load Radius (Ft.)
25	60.0	9,800			25
30	54.5	7,300	60.0	7,200	30
35	48.0	5,300	55.0	5,200	35
40	41.0	3,700	49.5	3,500	40
45	32.5	2,300	44.0	2,100	45
50	21.0	1,100	37.5	1,000	50
Min.Boom Ang/Cap.	0 (53.0)	400	33.5 (52.7)		Min.Boom Ang/Cap.

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

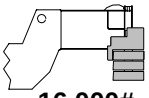
∠° Loaded Boom Angle In Degrees.

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

STERLING CRANE

On Tire Capacities In Pounds
Tire Pressure: See Page 5
Pick & Carry Capacities
(1 MPH) Boom Centered Over Rear
See Operation Note 20.

ON TIRES



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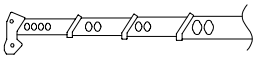

MAIN BOOM "B"

Load Radius (Ft.)	41 Ft.		50 Ft.		60 Ft.		Load Radius (Ft.)
	∠°	Load	∠°	Load	∠°	Load	
10	69.0	20,100					10
12	66.0	20,100					12
15	61.0	17,400	66.5	17,800			15
20	52.5	13,300	60.0	13,800			20
25	42.0	10,200	53.0	10,800	60.0	11,100	25
30	29.0	7,800	45.0	8,300	54.5	8,700	30
35			35.5	6,400	48.0	6,800	35
40			23.0	4,700	41.0	5,200	40
45					32.5	3,900	45
50					20.5	2,700	50
Min.Boom Ang/Cap.	0 (34.0)	6,000	0 (43.0)	3,800	0 (53.0)	2,000	Min.Boom Ang/Cap.

Load Radius (Ft.)	70 Ft.		80 Ft.		90 Ft.		Load Radius (Ft.)
	∠°	Load	∠°	Load	∠°	Load	
30	60.0	9,000					30
35	55.5	7,100	60.5	7,300			35
40	50.0	5,500	56.0	5,700	60.5	5,900	40
45	44.0	4,200	51.5	4,400	56.5	4,600	45
50	37.5	3,000	46.5	3,300	52.5	3,400	50
55	30.0	2,100	41.0	2,300	48.5	2,500	55
60	19.0	1,200	35.0	1,500	43.5	1,600	60
65			28.0	700	38.5	900	65
Min.Boom Ang/Cap.	0 (63.0)	700	26.5 (65.7)		37.0 (66.8)		Min.Boom Ang/Cap.

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

∠° Loaded Boom Angle In Degrees.

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

Patents

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

United States:

4,380,244	4,491,229
4,431,109	4,547,904
4,434,902	4,728,029

Canada
Patented Brevete:

1,212,336