

Lifting Capacities

Telescopic Rough Terrain Crane

RTC-8040 *Series II* 40-ton (36.28 metric ton)

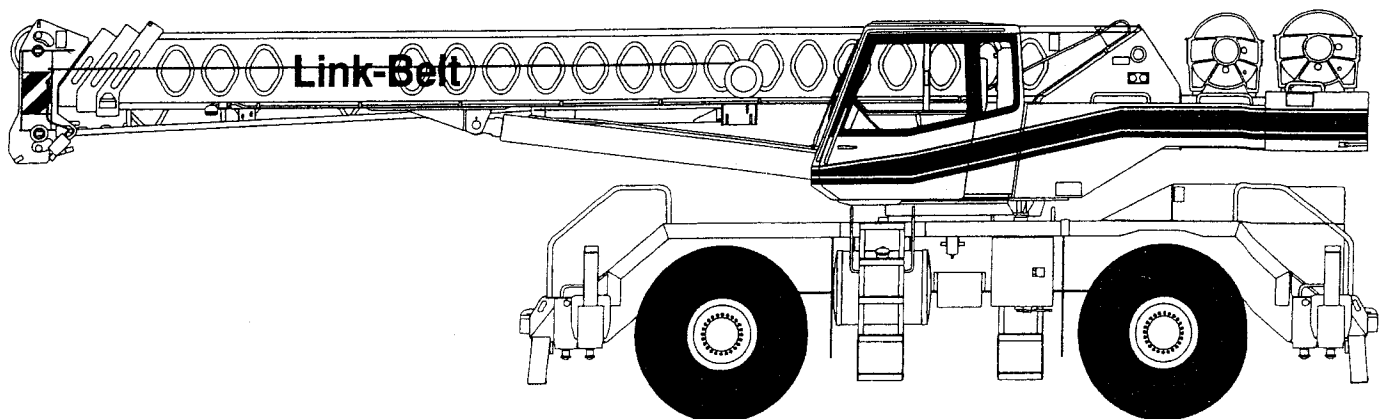
Boom and fly capacities for this machine are listed by the following sections:

Fully Extended Outriggers

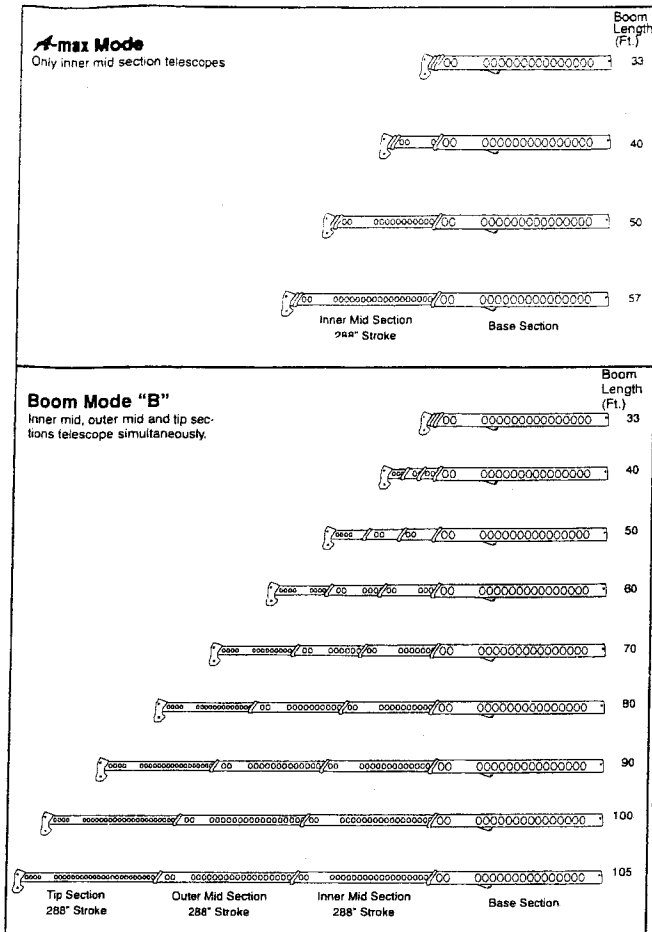
- Working Range Diagram
- 33' to 57' main boom capacities, **A-max** Mode
- 33' to 105' main boom capacities, Basic Mode "B"
- 28' 6" offset fly capacities, Basic Mode "B"
- 28' 6" to 51' Two-piece offsettable fly capacities, Basic Mode "B"

On Tires

- Working Range Diagram
- 33' to 57' main boom capacities, **A-max** Mode
- 33' to 70' main boom capacities, Basic Mode "B"



CAUTION: This material is supplied for reference only. Operator must refer to in-cab crane rating manual to determine allowable machine lifting capacities and operating procedures.



WINCH PERFORMANCE

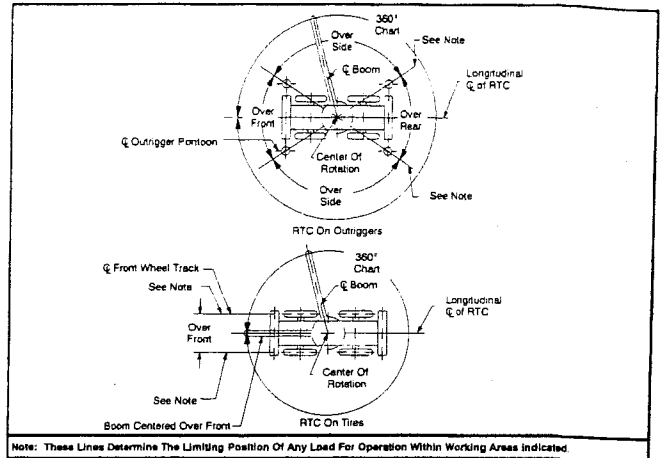
Wire Rope Layer	Winch Line Pulls		Drum Rope Capacity (Ft.)	
	Two Speed Winch		Layer	Total
	Low Speed Available Lbs.*	High Speed Available Lbs.		
1	16,080	7,629	114	114
2	14,783	7,014	124	238
3	13,680	6,491	134	372
4	12,731	6,040	144	516
5	11,904	5,648	154	670

* 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"	3/4"	Notes
	Type RB	Type ZB	
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. * Use of swivel end with 1 part of line is not recommended.
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	
LBCE	DESCRIPTION		
TYPE RB	18 X 19 Rotation Resistant - Compacted Strand - High Strength, Preformed, Right Regular Lay		
TYPE ZB	36 X 7 Rotation Resistant - Extra Improved Plow Steel - Right Regular Lay		

WORKING AREAS



HYDRAULIC CIRCUIT PRESSURE SETTINGS

Function	Pressure (psi)
Front and Rear Winch	3500
Outrigger	3000
Boom Hoist	3350
Telescope	3000
Swing	1500
Steering	2500
Pilot Control	500

CAPACITY DEDUCTIONS FOR AUXILIARY LOAD HANDLING EQUIPMENT

Load Handling Equipment	Weight (lbs)
Auxiliary Head Attached	100
40 Ton Quick Reeve 4 Sheave Hook Block (See Hook Block For Actual Weight)	720
8.5 Ton Hook Ball (See Hook Ball For Actual Weight)	360

Lifting From Main Boom With:

28.5 Ft. Or 51 Ft. Fly Stowed On Boom Base (See Operation Note 4)	0
28.5 Ft. Offset Fly Erected But Not Used	2800
51 Ft. Offset Fly Erected But Not Used	5000

Lifting From 28.5 Ft. Offset Fly With:

22.5 Ft. Fly Tip Erected But Not Used	PROHIBITED
22.5 Ft. Fly Tip Stowed On 28.5 Ft. Offset Fly	PROHIBITED

Note: Capacity deductions are for Link-Belt supplied equipment only.

TIRE INFLATION

Tire Size	Operation	Tire Pressure (psi)
23.5 X 25-20 Ply Rating	1 mph	80
	Stationary	80

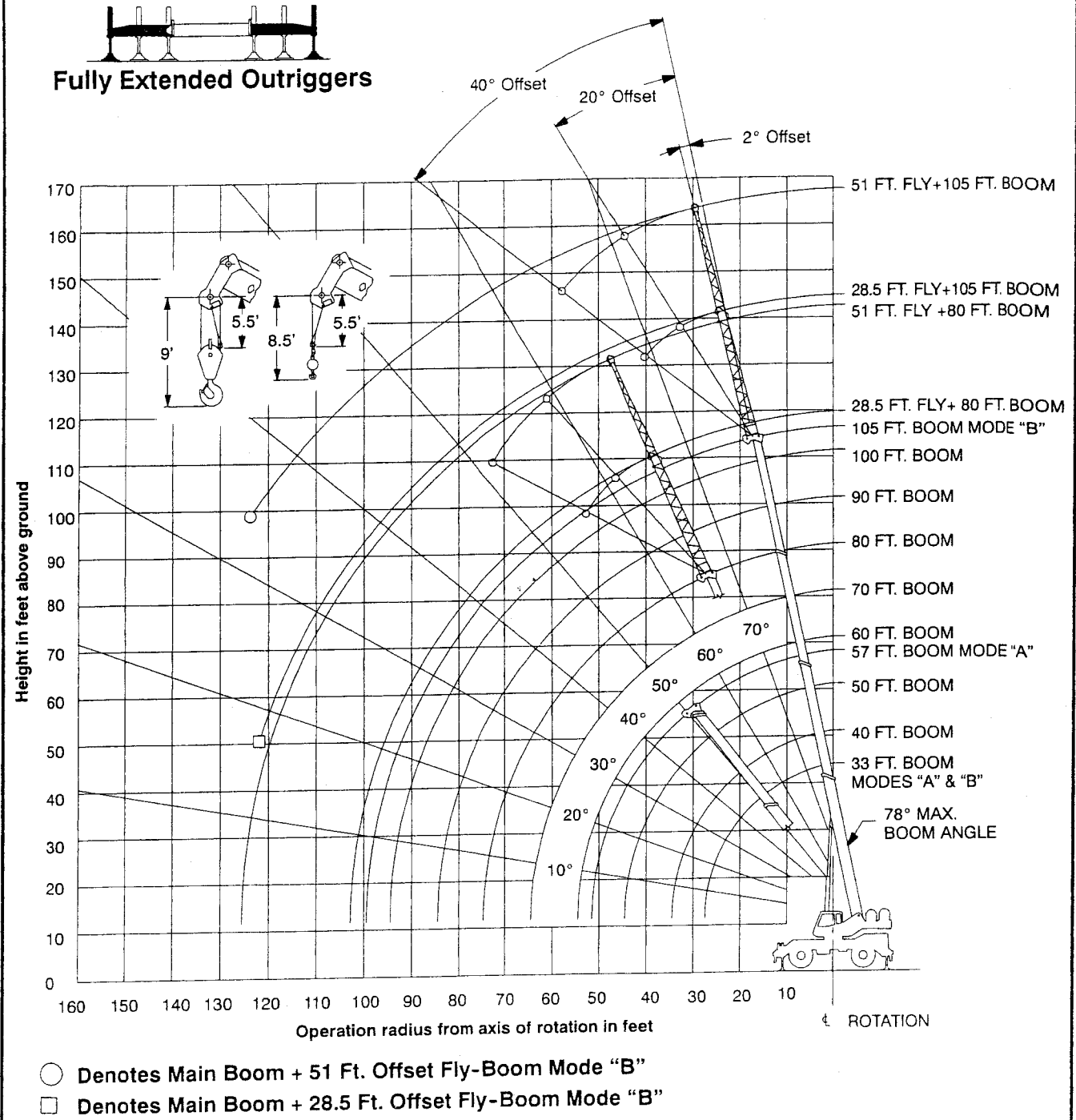
PONTOON LOADINGS

Maximum Pontoon Load:	Maximum Pontoon Ground Bearing Pressure:
63,500 lb	213 psi

OUTRIGGER SPREAD

Position	Distance
Fully Retracted	(115") 9'-7"
Intermediate Extended	(210") 17'-6"
Fully Extended	(270") 22'-6"

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.

Fully Extended Outriggers - Main Boom Capacities

Rated Lifting Capacities in Pounds Fully Extended Outriggers See Set Up Note 2							
Load Radius (Ft.)	33 Ft.			40 Ft.			Load Radius (Ft.)
	∠°	360°	Over Front	∠°	360°	Over Front	
10	66.0	80,000	80,000	70.5	72,100	72,100	10
12	62.0	73,800	75,200	67.5	72,100	72,100	12
15	55.5	63,100	64,300	62.5	62,900	64,100	15
20	43.5	47,300	47,300	54.0	47,100	47,100	20
25	26.5	36,100	36,100	44.0	35,900	35,900	25
30				31.0	28,400	28,400	30
Min.Boom Angle/Cap.	0 (27.5)	20,200	20,200	0 (34.5)	15,600	15,600	Min.Boom Angle/Cap.

Note: Refer To Page 5 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.

Rated Lifting Capacities in Pounds Fully Extended Outriggers See Set Up Note 2							
Load Radius (Ft.)	50 Ft.			57 Ft.			Load Radius (Ft.)
	∠°	360°	Over Front	∠°	360°	Over Front	
10	75.0	70,500	70,500	77.0	43,800	43,800	10
12	73.0	65,600	65,600	75.0	43,800	43,800	12
15	69.0	57,400	57,400	72.0	42,200	42,200	15
20	52.5	46,800	46,800	66.5	34,200	34,200	20
25	55.5	35,700	35,700	61.0	28,700	28,700	25
30	48.0	28,200	28,200	54.5	24,500	24,500	30
35	39.0	22,900	22,900	48.0	21,300	21,300	35
40	27.5	17,700	18,800	40.0	17,500	18,600	40
45				30.5	13,800	14,700	45
50				16.5	11,000	11,800	50
Min.Boom Angle/Cap.	0 (44.5)	10,400	10,400	0 (51.5)	7,900	7,900	Min.Boom Angle/Cap.

Note: Refer To Page 5 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.

Rated Lifting Capacities in Pounds Fully Extended Outriggers See Set Up Note 2										
Load Radius (Ft.)	33 Ft.			40 Ft.			50 Ft.			Load Radius (Ft.)
	∠°	360°	Over Front	∠°	360°	Over Front	∠°	360°	Over Front	
10	66.0	80,000	80,000	70.5	35,000	35,000	74.5	35,000	35,000	10
12	62.0	73,800	75,200	67.5	35,000	35,000	72.5	35,000	35,000	12
15	55.5	63,100	64,300	62.5	35,000	35,000	68.5	35,000	35,000	15
20	43.5	47,300	47,300	54.0	35,000	35,000	62.5	35,000	35,000	20
25	26.5	36,100	36,100	44.0	35,000	35,000	55.5	35,000	35,000	25
30				31.0	29,200	29,200	48.0	29,900	29,900	30
35							39.0	24,400	24,400	35
40							27.5	19,500	20,400	40
Min.Boom Angle/Cap.	0 (27.5)	20,200	20,200	0 (34.5)	15,000	15,000	0 (44.5)	10,300	10,300	Min.Boom Angle/Cap.

Rated Lifting Capacities in Pounds Fully Extended Outriggers See Set Up Note 2										
Load Radius (Ft.)	90 Ft.			100 Ft.			105 Ft.			Load Radius (Ft.)
	∠°	360°	Over Front	∠°	360°	Over Front	∠°	360°	Over Front	
20	77.0	27,100	27,100							20
25	73.5	23,400	23,400	76.0	20,900	20,900	76.5	17,500	17,500	25
30	70.0	20,400	20,400	73.0	18,600	18,600	74.0	17,500	17,500	30
35	66.5	18,000	18,000	69.5	16,200	16,200	71.0	15,700	15,700	35
40	63.0	16,000	16,000	66.5	14,500	14,500	68.0	13,900	13,900	40
45	59.5	14,300	14,300	63.5	13,000	13,000	65.0	12,200	12,200	45
50	55.5	13,000	13,000	60.0	11,700	11,700	62.0	10,700	10,700	50
55	51.0	11,300	11,800	56.5	10,600	10,600	58.5	9,500	9,500	55
60	46.5	9,600	10,200	53.0	9,600	9,700	55.0	8,400	8,400	60
65	41.5	8,100	8,700	49.0	8,200	8,800	51.5	7,500	7,500	65
70	36.0	7,000	7,500	44.5	7,000	7,600	47.5	6,800	6,800	70
75	29.5	6,000	6,500	40.0	6,000	6,500	43.5	6,000	6,100	75
80	21.0	5,100	5,600	34.5	5,200	5,600	39.0	5,200	5,500	80
85				28.5	4,400	4,900	34.0	4,500	4,900	85
90				20.5	3,800	4,200	28.0	3,800	4,200	90
95							20.0	3,200	3,600	95
Min.Boom Angle/Cap.	0 (84.5)	2,800	2,800	0 (94.5)	2,000	2,000	0 (99.5)	1,600	1,600	Min.Boom Angle/Cap.

Note: Refer To Page 5 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.

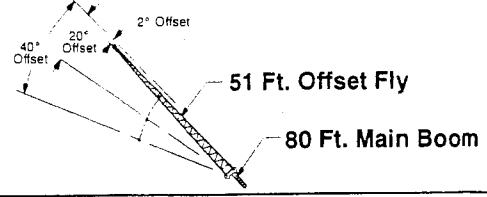
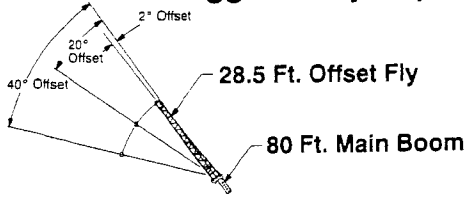
Load Radius (Ft.)	60 Ft.			70 Ft.			80 Ft.			Load Radius (Ft.)
	∠°	360°	Over Front	∠°	360°	Over Front	∠°	360°	Over Front	
10	77.5	35,000	35,000							10
12	75.5	35,000	35,000							12
15	72.5	35,000	35,000	75.5	35,000	35,000				15
20	67.5	35,000	35,000	71.5	35,000	35,000	74.5	30,500	30,500	20
25	62.5	35,000	35,000	67.5	35,000	35,000	71.0	26,300	26,300	25
30	56.5	30,100	30,100	62.5	30,300	30,300	67.0	22,900	22,900	30
35	50.5	24,800	24,800	58.0	25,000	25,000	63.0	20,200	20,200	35
40	43.5	19,800	20,700	52.5	19,900	20,900	58.5	18,000	18,000	40
45	35.5	15,900	16,900	46.5	16,100	17,100	54.0	16,200	16,200	45
50	25.0	13,100	13,900	40.5	13,200	14,100	49.0	13,400	14,200	50
55				33.0	11,100	11,900	44.0	11,200	12,000	55
60				23.5	9,300	10,000	38.0	9,500	10,200	60
65							31.0	8,000	8,700	65
70							22.0	6,800	7,400	70
Min.Boom Angle/Cap.	0 (54.5)	7,400	7,400	0 (64.5)	5,400	5,400	0 (74.5)	3,900	3,900	Min.Boom Angle/Cap.

Note: Refer To Page 5 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.

Fully Extended Outriggers - Fly Capacities - Boom Mode "B"



Load Radius (Ft.)	2° Offset		20° Offset		40° Offset		Load Radius (Ft.)
	∠°	360°	∠°	360°	∠°	360°	
	FULL		FULL		FULL		
25	77.0	13,800					25
30	74.5	12,800					30
35	72.0	11,800	76.0	8,700			35
40	69.0	11,000	73.0	8,100	77.0	6,100	40
45	66.0	10,200	70.0	7,500	74.0	5,800	45
50	63.0	9,600	67.0	7,100	71.0	5,600	50
55	60.0	8,900	64.0	6,700	67.5	5,400	55
60	57.0	8,200	61.0	6,300	64.0	5,200	60
65	53.5	7,600	57.5	6,000	60.5	5,100	65
70	50.0	7,100	54.0	5,700	57.0	5,000	70
75	46.5	6,600	50.0	5,500	52.5	4,900	75
80	42.0	6,000	46.0	5,300	48.0	4,800	80
85	37.5	5,300	41.5	5,100	43.0	4,800	85
90	32.0	4,600	38.0	4,800			90
95	26.0	4,000	29.0	4,200			95
100	17.0	3,500	19.0	3,600			100
Min. Boom Angle/Cap.	0	1,700	0	1,900	0	1,900	Min. Boom Angle/Cap.

Note: Refer To Page 5 For "Capacity Deductions For Auxiliary Load Handling Equipment".

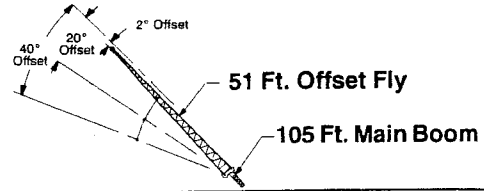
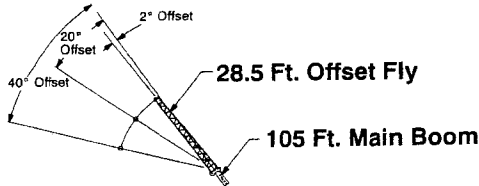
∠ Loaded Boom Angle In Degrees.

Load Radius (Ft.)	2° Offset		20° Offset		40° Offset		Load Radius (Ft.)
	∠°	360°	∠°	360°	∠°	360°	
	FULL		FULL		FULL		
35	76.0	7,400					35
40	74.0	6,700					40
45	71.5	6,100	78.0*	4,200			45
50	69.5	5,500	76.0	3,900			50
55	67.0	5,100	73.5	3,700			55
60	64.5	4,700	71.0	3,400	77.0	2,700	60
65	62.0	4,300	68.5	3,200	74.5	2,500	65
70	59.5	4,000	66.0	3,100	72.0	2,500	70
75	57.0	3,700	63.0	2,900	69.0	2,400	75
80	54.0	3,500	60.5	2,800	66.0	2,300	80
85	51.0	3,300	57.5	2,600	62.5	2,200	85
90	48.0	3,100	54.5	2,500	59.5	2,200	90
95	45.0	2,900	51.0	2,400	55.5	2,200	95
100	41.5	2,700	47.5	2,300	51.5	2,100	100
105	37.5	2,600	43.5	2,300	47.0	2,100	105
110	33.5	2,400	39.0	2,200	41.5	2,100	110
115	28.5	2,300	34.0	2,200			115
120	22.5	2,200	27.0	2,100			120
125	11.0	2,200					125
Min. Boom Angle/Cap.	0	900	0	900	0	1,100	Min. Boom Angle/Cap.

Note: Refer To Page 5 For "Capacity Deductions For Auxiliary Load Handling Equipment".

∠ Loaded Boom Angle In Degrees.

* This Capacity Based On Maximum Obtainable Boom Angle.



Load Radius (Ft.)	2° Offset		20° Offset		40° Offset		Load Radius (Ft.)
	∠°	360°	∠°	360°	∠°	360°	
	FULL		FULL		FULL		
35	76.5	9,000					35
40	74.5	9,000	78.0*	7,900			40
45	72.5	8,700	76.0	7,500			45
50	70.0	7,900	73.5	7,100	76.5	5,600	50
55	67.5	7,200	71.0	6,800	74.0	5,500	55
60	65.5	6,600	69.0	6,100	71.5	5,300	60
65	63.0	6,100	66.5	5,800	69.5	5,200	65
70	60.5	5,600	64.0	5,200	66.5	4,900	70
75	57.5	5,100	61.0	4,900	64.0	4,600	75
80	55.0	4,600	58.5	4,600	61.0	4,400	80
85	52.0	4,100	55.5	4,300	58.0	4,100	85
90	49.0	3,600	52.5	3,800	55.0	3,900	90
95	45.5	3,300	49.0	3,400	51.5	3,500	95
100	42.5	2,900	45.5	3,000	47.5	3,100	100
105	38.5	2,600	41.5	2,700	43.0	2,700	105
110	34.5	2,300	37.5	2,400			110
115	30.0	2,000	32.5	2,100			115
120	24.0	1,700	26.5	1,900			120

WARNING

Do Not Lower 28.5 Ft. Offset Fly In Working Position Below 17° Main Boom Angle Unless Main Boom Length Is 102 Ft. Or Less. Since Loss Of Stability Will Occur Causing A Tipping Condition.

Note: Refer To Page 5 For "Capacity Deductions For Auxiliary Load Handling Equipment".

∠ Loaded Boom Angle In Degrees.

* This Capacity Based On Maximum Obtainable Boom Angle.

Load Radius (Ft.)	2° Offset		20° Offset		40° Offset		Load Radius (Ft.)
	∠°	360°	∠°	360°	∠°	360°	
	FULL		FULL		FULL		
40	77.5	5,800					40
45	76.0	5,700					45
50	74.0	5,400					50
55	72.0	5,100	77.5	3,700			55
60	70.5	4,800	75.5	3,500			60
65	68.5	4,500	73.5	3,300			65
70	66.5	4,100	71.5	3,200	76.5	2,500	70
75	64.5	3,800	69.5	3,000	74.5	2,400	75
80	62.5	3,500	67.5	2,900	72.5	2,300	80
85	60.0	3,300	65.5	2,800	70.5	2,300	85
90	58.0	3,000	63.5	2,700	68.0	2,200	90
95	55.5	2,700	61.0	2,600	65.5	2,200	95
100	53.0	2,400	58.5	2,400	63.0	2,100	100
105	50.5	2,200	56.0	2,200	60.5	2,100	105
110	47.5	1,900	53.5	2,000	57.5	2,000	110
115	45.0	1,600	50.5	1,800	54.5	1,800	115
120	42.0	1,400	47.5	1,600	51.0	1,700	120
125	39.0	1,200	44.0	1,300	47.0	1,400	125
130	35.5	1,000	40.5	1,100	42.0	800	130
135			36.5	1,000			135

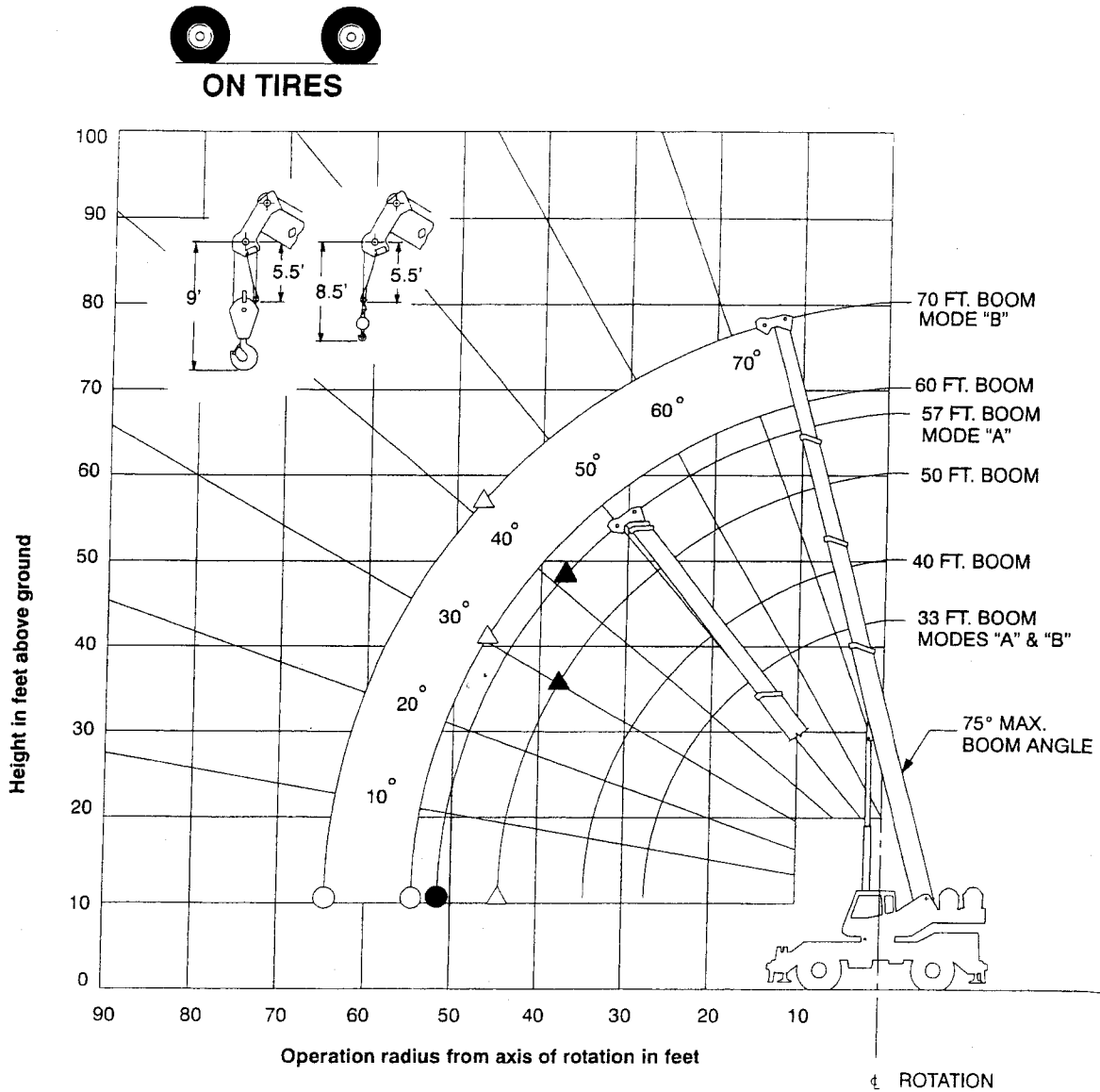
WARNING

Do Not Lower 51 Ft. Offset Fly In Working Position Below 34° Main Boom Angle Unless Main Boom Length Is 92 Ft. Or Less. Since Loss Of Stability Will Occur Causing A Tipping Condition.

Note: Refer To Page 5 For "Capacity Deductions For Auxiliary Load Handling Equipment".

∠ Loaded Boom Angle In Degrees.

WORKING RANGE DIAGRAM



- ▲ Denotes Main Boom 360° - Boom Mode "A"
- △ Denotes Main Boom 360° - Boom Mode "B"
- Denotes Main Boom Between Tire Tracks Or Centered Over Front - Boom Mode "A"
- Denotes Main Boom Between Tire Tracks Or Centered Over Front - Boom Mode "B"

Crane Configurations Prohibited:
 Boom Lengths Greater than 70 FT.
 28.5 FT. Offset Fly
 51 FT. Offset Fly


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 Or Raise Boom Above 75° As Shown In The Lift Charts For The Boom Lengths Given. Loss Of Stability Will Occur Causing A Tipping Condition.

On Tires (23.5 x 25 - 20 Ply) - Main Boom Capacities

On Tire Capacities In Pounds
Tire Pressure: See Page 5
Stationary Capacities
Over Front Between Tire Tracks
See Operation Note 20

 MAIN BOOM "A"

Load Radius (Ft.)	33 Ft.		40 Ft.		Load Radius (Ft.)
	∠°	Load	∠°	Load	
10	66.0	46,200	70.5	45,900	10
12	62.0	40,700	67.5	40,400	12
15	55.5	34,500	62.5	34,200	15
20	43.5	27,100	54.0	26,900	20
25	26.5	20,100	43.5	19,900	25
30			31.0	14,100	30
Min.Boom Angle/Cap.	0 (27.5)	16,600	0 (34.5)	10,500	Min.Boom Angle/Cap.


Load Radius (Ft.)	50 Ft.		57 Ft.		Load Radius (Ft.)
	∠°	Load	∠°	Load	
15	69.0	34,000			15
20	62.5	26,600	66.5	26,500	20
25	55.5	19,600	60.5	19,400	25
30	47.5	13,900	54.5	13,700	30
35	39.0	10,200	47.5	10,100	35
40	27.5	7,500	40.0	7,500	40
45			30.5	5,600	45
50			16.0	4,000	50
Min.Boom Angle/Cap.	0 (44.5)	5,700	0 (51.5)	3,600	Min.Boom Angle/Cap.

Note: Refer To Page 5 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
Stationary Capacities
Over Front Between Tire Tracks
See Operation Note 20

 MAIN BOOM "B"

Load Radius (Ft.)	33 Ft.		40 Ft.		50 Ft.		Load Radius (Ft.)
	∠°	Load	∠°	Load	∠°	Load	
10	66.0	46,200	70.5	35,000			10
12	62.0	40,700	67.5	35,000	72.5	35,000	12
15	55.5	34,500	62.5	34,900	68.5	35,000	15
20	43.5	27,100	53.5	27,500	62.0	27,900	20
25	26.5	20,100	43.5	20,800	55.0	21,200	25
30			31.0	14,800	47.5	15,400	30
35					38.5	11,600	35
40					27.5	8,900	40
Min.Boom Angle/Cap.	0 (27.5)	16,600	0 (34.5)	11,300	0 (44.5)	7,100	Min.Boom Angle/Cap.


Load Radius (Ft.)	60 Ft.		70 Ft.		Load Radius (Ft.)
	∠°	Load	∠°	Load	
20	67.5	28,200			20
25	62.0	21,400	67.0	21,600	25
30	56.5	15,600	62.0	15,800	30
35	50.0	11,900	57.0	12,100	35
40	43.0	9,300	52.0	9,500	40
45	35.0	7,300	46.0	7,500	45
50	25.0	5,800	40.0	6,000	50
55			32.5	4,800	55
60			23.0	3,800	60
Min.Boom Angle/Cap.	0 (54.5)	4,600	0 (64.5)	3,000	Min.Boom Angle/Cap.

Note: Refer To Page 5 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 Front
See Operation Note 20

 MAIN BOOM "A"

Load Radius (Ft.)	33 Ft.		40 Ft.		Load Radius (Ft.)
	∠°	Load	∠°	Load	
10	66.0	43,800	70.5	43,500	10
12	62.0	38,200	67.5	37,900	12
15	55.5	31,600	62.5	31,400	15
20	43.5	24,000	53.5	23,800	20
25	26.5	18,700	43.5	18,500	25
30			31.0	14,100	30
Min.Boom Angle/Cap.	0 (27.5)	16,500	0 (34.5)	10,500	Min.Boom Angle/Cap.


Load Radius (Ft.)	50 Ft.		57 Ft.		Load Radius (Ft.)
	∠°	Load	∠°	Load	
15	68.5	31,200			15
20	62.5	23,600	66.5	23,500	20
25	55.5	18,400	60.5	18,300	25
30	47.5	13,900	54.5	13,700	30
35	39.0	10,200	47.5	10,100	35
40	27.5	7,500	40.0	7,500	40
45			30.5	5,600	45
50			16.0	4,000	50
Min.Boom Angle/Cap.	0 (44.5)	5,700	0 (51.5)	3,600	Min.Boom Angle/Cap.

Note: Refer To Page 5 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 Front
See Operation Note 20

 MAIN BOOM "B"

Load Radius (Ft.)	33 Ft.		40 Ft.		50 Ft.		Load Radius (Ft.)
	∠°	Load	∠°	Load	∠°	Load	
10	66.0	43,800	70.5	35,000			10
12	62.0	38,200	67.5	35,000	72.5	35,000	12
15	55.5	31,600	62.5	32,000	68.5	32,300	15
20	43.5	24,000	53.5	24,400	62.0	24,800	20
25	26.5	18,700	43.5	19,200	55.0	19,600	25
30			31.0	14,800	47.5	15,400	30
35					38.5	11,600	35
40					27.5	8,900	40
Min.Boom Angle/Cap.	0 (27.5)	16,500	0 (34.5)	11,300	0 (44.5)	7,100	Min.Boom Angle/Cap.

Load Radius (Ft.)	60 Ft.		70 Ft.		Load Radius (Ft.)
	∠°	Load	∠°	Load	
20	67.5	25,000			20
25	62.0	19,900	67.0	20,000	25
30	56.5	15,600	62.0	15,800	30
35	50.0	11,900	57.0	12,100	35
40	43.0	9,300	52.0	9,500	40
45	35.0	7,300	46.0	7,500	45
50	25.0	5,800	40.0	6,000	50
55			32.5	4,800	55
60			23.0	3,800	60
Min.Boom Angle/Cap.	0 (54.5)	4,600	0 (64.5)	3,000	Min.Boom Angle/Cap.

Note: Refer To Page 5 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 Tires (23.5 x 25 - 20 Ply) - Main Boom Capacities

On Tire Capacities In Pounds
Tire Pressure: See Page 5
Stationary Capacities - 360 Degree
See Operation Note 20

360°
ON TIRES

MAIN BOOM
"A"

Load Radius (Ft.)	33 Ft.		40 Ft.		Load Radius (Ft.)
	∠°	Load	∠°	Load	
10	66.0	35,900	70.5	35,600	10
12	62.0	30,100	67.5	29,800	12
15	55.5	21,500	62.5	21,200	15
20	43.5	12,800	53.5	12,700	20
25	26.5	8,200	43.5	8,100	25
30			31.0	5,200	30
Min.Boom Angle/Cap.	0 (27.5)	6,400	0 (34.5)	3,300	Min.Boom Angle/Cap.

WARNING
Do Not Raise Boom Above 75° Boom Angle. Loss Of Backward Stability Will Occur Causing a Tipping Condition.

Load Radius (Ft.)	50 Ft.		57 Ft.		Load Radius (Ft.)
	∠°	Load	∠°	Load	
15	68.5	20,700			15
20	62.0	12,400	66.0	12,200	20
25	55.0	7,900	60.0	7,800	25
30	47.5	5,100	54.0	5,000	30
35	38.5	3,100	47.0	3,000	35
Min.Boom Angle/Cap.	30.0 (38.9)		41.5 (38.6)		Min.Boom Angle/Cap.

WARNING
Do Not Raise Boom Above 75° Boom Angle. Loss Of Backward Stability Will Occur Causing a Tipping Condition.

Note: Refer To Page 5 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
Stationary Capacities-360 Degree
See Operation Note 20

360°
ON TIRES

MAIN BOOM
"B"

Load Radius (Ft.)	33 Ft.		40 Ft.		50 Ft.		Load Radius (Ft.)
	∠°	Load	∠°	Load	∠°	Load	
10	66.0	35,900	70.5	35,000			10
12	62.0	30,100	67.5	30,500	72.5	30,800	12
15	55.5	21,500	62.5	22,000	68.5	22,400	15
20	43.5	12,800	53.5	13,400	62.0	13,900	20
25	26.5	8,200	43.5	8,800	55.0	9,300	25
30			31.0	5,900	47.5	6,400	30
35					38.5	4,400	35
40					27.0	2,900	40
Min.Boom Angle/Cap.	0 (27.5)	6,400	0 (34.5)	4,000	0 (44.5)	1,900	Min.Boom Angle/Cap.

WARNING
Do Not Raise Boom Above 75° Boom Angle. Loss Of Backward Stability Will Occur Causing a Tipping Condition.

Load Radius (Ft.)	60 Ft.		70 Ft.		Load Radius (Ft.)
	∠°	Load	∠°	Load	
20	67.0	14,000			20
25	62.0	9,600	66.5	9,700	25
30	56.0	6,700	61.5	6,900	30
35	50.0	4,700	57.0	4,900	35
40	43.0	3,200	51.5	3,400	40
45	35.0	2,200	46.0	2,400	45
Min.Boom Angle/Cap.	30.5 (47.3)		41.5 (48.4)		Min.Boom Angle/Cap.

WARNING
Do Not Raise Boom Above 75° Boom Angle. Loss Of Backward Stability Will Occur Causing a Tipping Condition.

Note: Refer To Page 5 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.