Lifting Capacities

Hydraulic Truck Crane

HTC-8665 65-ton *(60.00 metric ton)*

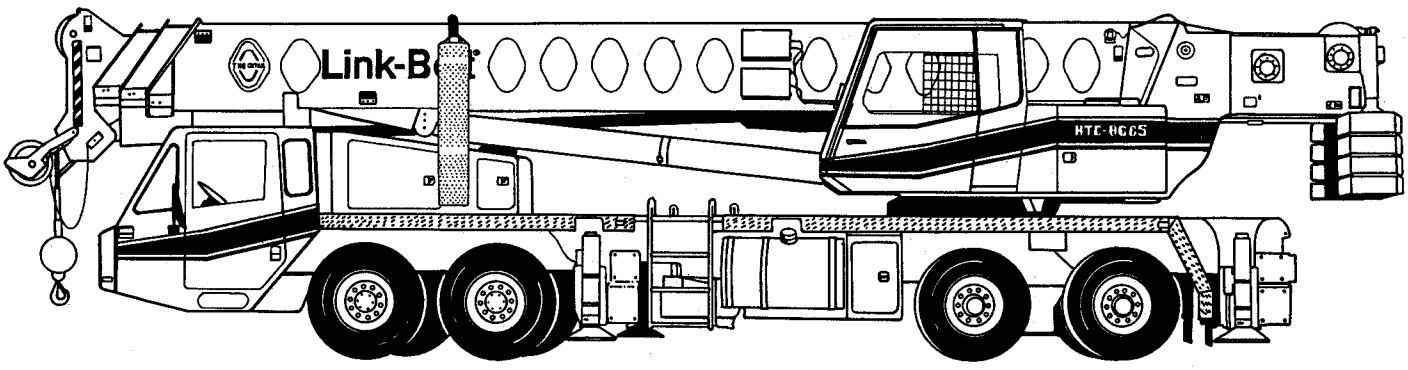
4 section boom capacities for this versatile machine are listed by the following sections:

Section One - Fully Extended Outriggers
- 0 lb., 3,000 lb., 6,000 lb., 9,000 lb., and 12,000 lb. counterweight configurations.
- Boom Extension Mode A and Mode B
- 34' fly and 56' 2-stage fly

Section Two - Intermediate Extended Outriggers
- 0 lb., 3,000 lb., 6,000 lb., 9,000 lb., and 12,000 lb. counterweight configurations.
- Boom Extension Mode A and Mode B
- 34' fly and 56' 2-stage fly

Section Three - Fully Retracted Outriggers
- 0 lb., 3,000 lb., 6,000 lb., and 9,000 lb. counterweight configurations.
- Boom Extension Mode A and Mode B

Section Four - On Tires
- 0 lb., 3,000 lb., 6,000 lb., 9,000 lb., and 12,000 lb. counterweight configurations.
- Boom Extension Mode A and 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.

Litho in U.S.A. 11/93

#6188

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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 Institute (ANSI) safety standards for cranes.
4. The maximum allowable 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 fully extended.
3. When operating on retracted outriggers, do not exceed 68° maximum boom angle with 12,000# counterweight, or 74° maximum boom angle with 9,000# counterweight. Loss of backward stability will occur causing a tipping condition.
4. When making lifts on tires, they must be inflated to the recommended pressure. (See Operation note 22 and Tire Inflation.)
5. Before swinging boom to over side position on tires, boom sections must be fully retracted and 40° boom angle maintained.
6. For required parts of line, see Wire Rope Strength and Winch Performance.

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 60 feet and the boom angle is restricted to a minimum of 35 degrees. Lifts with either fly erected or boom in mode "B" are prohibited for both clam and magnet operation.
2. The crane capacities shown on fully extended outriggers or intermediate extended outriggers do not exceed 85% of the tipping loads. The crane capacities shown on fully retracted outriggers or tires do not exceed 75% of the tipping loads as determined by SAE crane stability test code J–765A.
3. The crane capacities in the shaded areas above the bold lines, are based on structural strength or hydraulic limitations. The crane 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, 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. Also, 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 any radii or boom lengths (minimum or maximum) where capacities are not listed. At these positions, the crane can tip or cause boom failure.

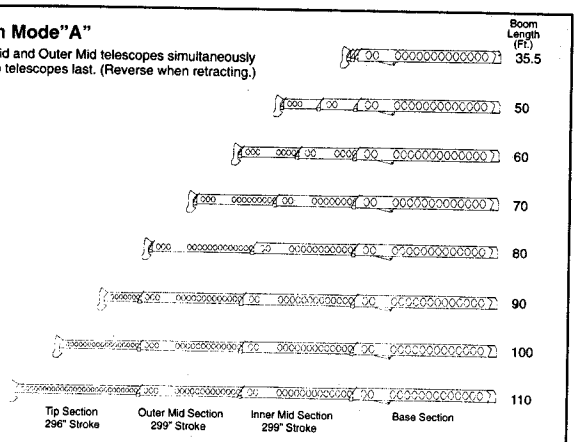
8. The maximum loads which can be telescoped are not definable because of variation in loadings and crane maintenance, but it is permissible to attempt retraction and extension within the limits of the applicable load rating chart.
9. For main boom capacities when either boom length and/or radius are 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, two machine lifts, traveling with loads, electrical wires, etc. Side load on boom or fly is extremely dangerous.
11. When making lifts with auxiliary head machinery, the effective length of the boom increases by 2 feet.
12. Power sections of boom must be extended in accordance with boom mode "A" or boom mode "B".
13. The least stable rated working area on outriggers is over the side.
14. Rated lifting capacities are based on correct reeving. Deduction must be made for excessive reeving. Any reeving over minimum required (see wire rope strength) 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.
15. 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 load radius is for reference only.
16. For fly capacities with main boom length less than 110 ft. and greater than 80 ft. the rated loads 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 allowable capacity.
17. For fly capacities with main boom length less than 80 ft., the rated loads are determined by the boom angle only using the 80 ft. boom and fly chart. For angles not shown, use the next lower boom angle to determine the allowable capacity.
18. For 110 Ft. main boom + fly – boom mode "B" capacities, use 110 Ft. boom + fly – boom mode "A" charts.
19. When working on retracted outriggers, lifts with either fly erected or use of 12,000# counterweight, are prohibited.
20. The 35.5 ft. boom length capacities are based on boom fully retracted. If the boom is not fully retracted, do not exceed capacities shown for the 50 ft. boom length.
21. Boom mode "A" and boom mode "B" capacities are the same for boom lengths 35.5 Ft. and 110 Ft.
22. Crane capacities on tires depend on tire capacity, condition of tires, and tire air pressure. On tire picks require lifting from main boom head only on a smooth and level surface. Pick and carry operations are restricted to a maximum speed of 2.5 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. Lifts with either fly erected on tires are prohibited. For correct tire pressure see Tire Inflation.

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 after lifting the 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 stability limit radius is the radius beyond which it is not permitted to position the boom plus load handling equipment, because the crane can overturn without any load on the hook.

Boom Mode"A"

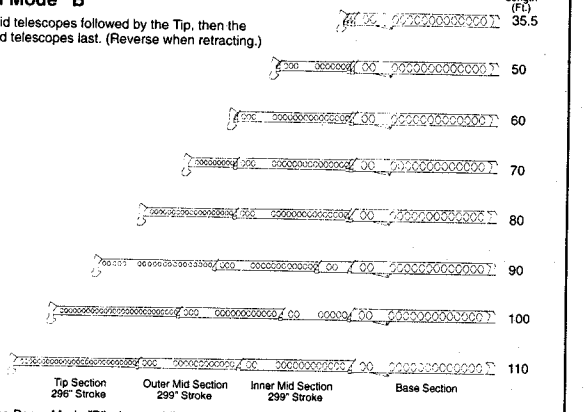
Inner Mid and Outer Mid telescopes simultaneously then Tip telescopes last. (Reverse when retracting.)



Note: Use Boom Mode "A" when boom strength is more important.

Boom Mode "B"

Outer Mid telescopes followed by the Tip, then the Inner Mid telescopes last. (Reverse when retracting.)



Note: Use Boom Mode "B" when stability is more important.

Note: Boom must be fully retracted to select a different boom mode.

WINCH PERFORMANCE

Winch Line Pulls			Drum Rope Capacity (Ft.)	
	Two Speed Winch			
Wire Rope Layer	Low Speed Available Lbs.	High Speed Available Lbs.	Layer	Total
1	16,805*	8,290	110	110
2	15,620*	7,710	118	228
3	14,590*	7,200	126	354
4	13,690*	6,760	134	488
5	12,890	6,360	143	631
6	12,190	6,020	151	782

* Reduce to 12,920 Lbs. for Type RB Rope.

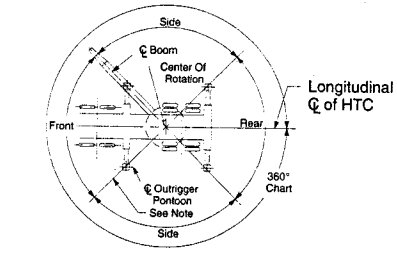
WIRE ROPE STRENGTH

Maximum Lifting Capacities Based On Wire Rope Strength		
Parts of Line	3/4" Type RB	Notes
1*	12,920	Capacities shown are in pounds and working loads must not exceed the ratings on the capacity charts in the Crane Rating Manual.
2	25,840	Study Operator's Manual for wire rope inspection procedures.
3	38,760	*Use of swivel end with 1 part of line is not recommended.
4	51,680	**Based on less than 5 to 1 design factor.
5	64,600	
6	77,520	
7	90,440	
8	103,360	
9	116,280	
10	130,000**	

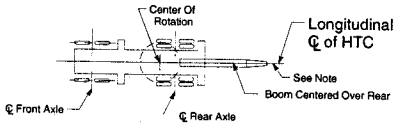
LBCE	DESCRIPTION
TYPE RB	18 X 19 Rotation Resistant – Extra Improved Plow Steel – Preformed Right Lay – Regular Lay, Swaged

GENERAL INFORMATION ONLY

WORKING AREAS



HTC On Outriggers



HTC On Tires

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

CAPACITY DEDUCTIONS FOR AUXILIARY LOAD HANDLING EQUIPMENT

Load Handling Equipment	Weight (Lbs.)
Auxiliary Head Attached	150
70 Ton Hook Block (See Hook Block For Actual Weight)	1,200
40 Ton 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:	
22 Ft. Fly Tip Stowed On Boom Base	300
34 Ft. Offset Fly Stowed On Boom Base	800
34 Ft. Offset Fly Erected But Not Used	7,600
56 Ft. Offset Fly Stowed On Boom Base	1,100
56 Ft. Offset Fly Erected But Not Used	14,800
Lifting From 34 Ft. Offset Fly With:	
22 Ft. Fly Tip Stowed On Boom Base	300
22 Ft. Tip Erected But Not Used	PROHIBITED
22 Ft. Tip Stowed On 34 Ft. Offset Fly	PROHIBITED

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

HYDRAULIC CIRCUIT PRESSURE SETTINGS

Function	Pressure (PSI)
Front And Rear Winch	3,500
Outriggers – Extend	2,500
Outriggers – Retract	3,500
Boom Hoist	3,500
Telescope – Extend	2,500
Telescope – Retract	3,500
Swing	1,500
Steering	1,600
Bumper Outrigger	650
Pilot Control	500
Counterweight Removal	1,700
Swing Park Brake Release	250

TIRE INFLATION

Tire Size	Load Range	Tire Pressure (PSI)
12 X 20	H	100
12 R 20	J	120
12 R 22.5	H	120

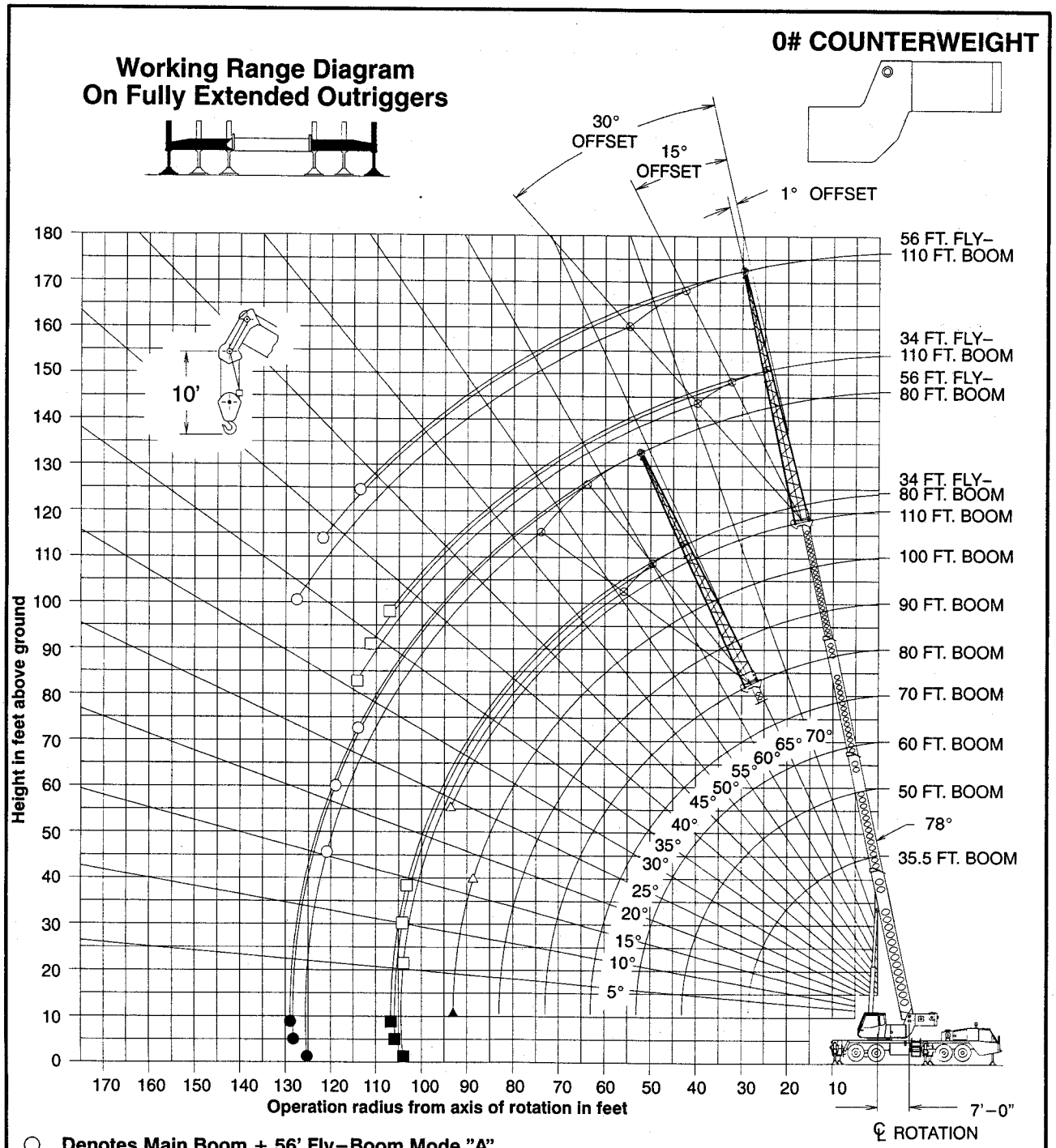
PONTOON LOADINGS

Maximum Pontoon Load:	Maximum Pontoon Ground Bearing Pressure:
97,400 Lbs.	320 PSI

OUTRIGGER SPREAD

Position	Distance
Fully Retracted	93" – (7'–9")
Intermediate Extended	175" – (14'–7")
Fully Extended	288" – (24'–0")

WORKING RANGE DIAGRAM



○ Denotes Main Boom + 56' Fly–Boom Mode "A"
● Denotes Main Boom + 56' Fly–Boom Mode "B"
□ Denotes Main Boom + 34' Fly–Boom Mode "A"
■ Denotes Main Boom + 34' Fly–Boom Mode "B"
△ Denotes Main Boom–Boom Mode "A"
▲ 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 As Shown In The Above Chart For The Boom Lengths Shown. Loss Of Stability Will Occur Causing A Tipping Condition.

ENERAL INFORMATION ONL

Fully Extended Outriggers – 0# Counterweight

BOOM MODE "A"
0# CTWT

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

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. 360°	35.5 Ft. Over Rear	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. 360°	50 Ft. Over Rear	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. 360°	60 Ft. Over Rear	Load Radius In Feet
10	65.5	123,000	123,000	73.5	75,300	75,300				10
12	62.0	110,000	110,000	71.0	75,300	75,300	74.5	74,900	74,900	12
15	56.0	92,200	92,200	67.0	75,300	75,300	71.5	74,900	74,900	15
20	45.0	64,200	64,200	60.5	64,100	64,100	66.5	64,100	64,100	20
25	30.0	41,500	41,500	53.5	41,600	41,600	61.0	41,600	41,600	25
30				45.5	29,800	29,800	55.0	29,800	29,800	30
35	See Operation Note 20.			36.0	22,500	22,500	48.5	22,500	22,500	35
40				23.0	17,400	17,500	41.5	17,500	17,500	40
45							33.0	13,600	13,900	45
50							21.0	10,700	11,200	50
Min. Boom Angle/ Cap.	0°	29,300	29,300	0°	14,900	15,100	0°	9,300	9,800	Min. Boom Angle/ Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. 360°	70 Ft. Over Rear	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. 360°	80 Ft. Over Rear	Load Radius In Feet
12	77.0	57,800	57,800				12
15	74.5	52,600	52,600	77.0	42,800	42,800	15
20	70.5	45,200	45,200	73.5	37,500	37,500	20
25	66.0	39,700	39,700	69.5	32,700	32,700	25
30	61.0	29,700	29,700	65.5	29,200	29,200	30
35	56.0	22,500	22,500	61.5	22,400	22,400	35
40	50.5	17,500	17,500	57.0	17,500	17,500	40
45	44.5	13,600	13,900	52.0	13,600	13,900	45
50	38.0	10,800	11,200	47.5	10,800	11,300	50
55	30.5	8,500	9,100	42.0	8,500	9,100	55
60	19.5	6,800	7,400	35.5	6,800	7,400	60
65				28.5	5,400	6,000	65
70				18.5	4,200	4,800	70
Min. Boom Angle/Cap.	0°	5,800	6,500	0°	3,500	4,200	Min. Boom Angle/Cap.

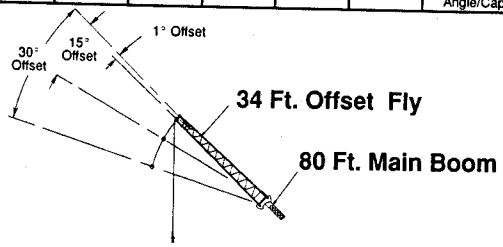
BOOM MODE "A"
0# CTWT

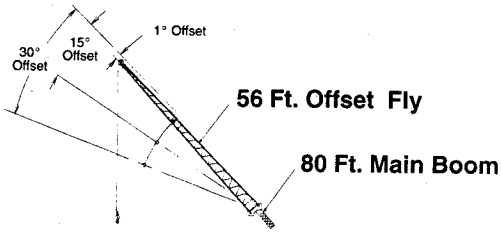
Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Fully Extended Outriggers
See Set Up Note 2.

90 Ft. To 110 Ft. Main Boom

Load Radius In Feet	90 Ft. Loaded Boom Angle (Deg.)	90 Ft. 360°	90 Ft. Over Rear	100 Ft. Loaded Boom Angle (Deg.)	100 Ft. 360°	100 Ft. Over Rear	110 Ft. Loaded Boom Angle (Deg.)	110 Ft. 360°	110 Ft. Over Rear	Load Radius In Feet
20	75.5	28,300	28,300	77.0	28,000	28,000				20
25	72.0	28,300	28,300	74.5	28,000	28,000	76.0	19,600	19,600	25
30	68.5	24,800	24,800	71.5	24,100	24,100	73.5	19,600	19,600	30
35	65.0	21,200	21,200	68.5	20,700	20,700	71.0	19,600	19,600	35
40	61.5	17,900	17,900	65.0	17,900	17,900	68.0	17,300	17,300	40
45	57.5	14,000	14,300	61.5	14,700	15,000	65.0	15,400	15,500	45
50	53.5	11,200	11,600	58.0	11,900	12,300	62.0	12,500	12,800	50
55	49.0	8,900	9,500	54.5	9,700	10,200	58.5	10,200	10,700	55
60	44.5	7,200	7,800	50.5	7,900	8,400	55.5	8,400	9,000	60
65	39.5	5,700	6,400	46.5	6,400	7,000	52.0	7,000	7,500	65
70	34.0	4,600	5,200	42.5	5,200	5,800	48.5	5,800	6,300	70
75	27.0	3,500	4,200	37.5	4,200	4,800	44.5	4,700	5,300	75
80	17.5	2,700	3,300	32.0	3,400	3,900	40.5	3,900	4,400	80
85				25.5	2,600	3,200	36.0	3,100	3,700	85
90							31.0	2,500	3,000	90
Min. Boom Angle/ Cap.	0°	2,200	2,800	17°			24°			Min. Boom Angle/ Cap.

GENERAL INFORMATION ONLY





BOOM MODE "A"
0# CTWT

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

80 Ft. Main Boom + 34 Ft. Offset Fly

Load Radius In Feet	1° Offset Loaded Boom Angle (Deg.)	1° Offset 360°	15° Offset Loaded Boom Angle (Deg.)	15° Offset 360°	30° Offset Loaded Boom Angle (Deg.)	30° Offset 360°	Load Radius In Feet
25	76.0	20,400					25
30	73.5	18,700	77.5	14,000			30
35	71.0	17,300	75.0	12,900			35
40	68.5	16,100	72.0	12,000	76.0	9,400	40
45	65.5	14,900	69.5	11,200	73.0	8,900	45
50	63.0	13,100	66.5	10,500	70.5	8,500	50
55	59.5	10,800	63.5	9,800	67.5	8,200	55
60	56.5	9,000	60.5	9,300	64.0	7,800	60
65	53.5	7,500	57.5	8,300	61.0	7,600	65
70	50.0	6,300	54.0	6,900	57.5	7,300	70
75	46.5	5,200	50.5	5,800	54.0	6,300	75
80	42.5	4,300	46.5	4,800	50.0	5,200	80
85	38.5	3,600	42.5	4,000	45.5	4,300	85
90	34.0	2,900	38.0	3,300	40.5	3,500	90
95	29.0	2,300	32.5	2,600	35.0	2,800	95
100	22.5	1,800	26.0	2,000	27.5	2,100	100

⚠ WARNING
Do Not Lower 34 Ft. Offset Fly In Working Position Below 15 Degrees Unless Main Boom Length Is 77 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

BOOM MODE "A"
0# CTWT

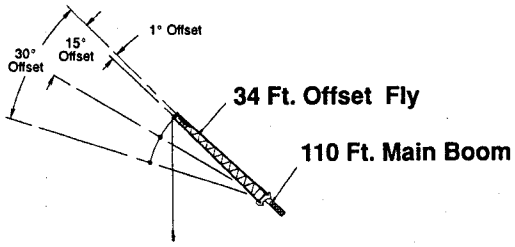
Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Fully Extended Outriggers
See Set Up Note 2.

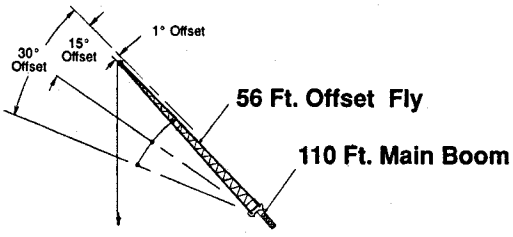
80 Ft. Main Boom + 56 Ft. Offset Fly

Load Radius In Feet	1° Offset Loaded Boom Angle (Deg.)	1° Offset 360°	15° Offset Loaded Boom Angle (Deg.)	15° Offset 360°	30° Offset Loaded Boom Angle (Deg.)	30° Offset 360°	Load Radius In Feet
30	77.0	12,300					30
35	75.0	11,000					35
40	72.5	9,900	78.0*	7,300			40
45	70.5	9,100	76.0	6,800			45
50	68.0	8,300	73.5	6,400			50
55	66.0	7,700	71.5	6,000	77.0	4,900	55
60	63.5	7,100	69.0	5,700	74.5	4,700	60
65	61.0	6,600	66.5	5,400	72.0	4,500	65
70	59.0	6,200	64.0	5,100	69.5	4,300	70
75	56.5	5,800	61.5	4,800	67.0	4,100	75
80	53.5	5,200	59.0	4,600	64.0	4,000	80
85	50.5	4,400	56.5	4,400	61.5	3,900	85
90	47.5	3,700	53.5	4,200	58.5	3,700	90
95	44.5	3,100	50.5	3,700	55.0	3,600	95
100	41.5	2,600	47.0	3,100	51.5	3,500	100
105	38.0	2,100	43.5	2,600	48.0	3,000	105
110	34.0	1,700	39.5	2,100	43.5	2,400	110
115			35.0	1,600	38.5	1,900	115
120					32.0	1,400	120

⚠ WARNING
Do Not Lower 56 Ft. Offset Fly In Working Position Below 28 Degrees Unless Main Boom Length Is 71 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.





BOOM MODE "A" OR "B"
0# CTWT

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

110 Ft. Main Boom + 34 Ft. Offset Fly

Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
30	77.5	10,000					30
35	75.5	10,000					35
40	74.0	10,000	77.0	9,500			40
45	72.0	9,400	75.0	8,600	78.0°	7,900	45
50	69.5	8,300	73.0	7,800	76.0	7,300	50
55	67.5	7,400	71.0	7,200	74.0	6,700	55
60	65.0	6,600	68.5	6,500	71.5	6,200	60
65	63.0	5,900	66.0	5,800	69.5	5,800	65
70	60.5	5,300	64.0	5,300	67.0	5,200	70
75	58.0	4,800	61.5	4,700	64.5	4,700	75
80	56.0	4,300	59.0	4,300	62.0	4,300	80
85	53.5	3,900	56.5	3,900	59.5	3,800	85
90	50.5	3,300	54.0	3,500	56.5	3,500	90
95	47.5	2,700	51.0	3,100	53.5	3,100	95
100	45.0	2,200	48.0	2,600	50.5	2,800	100
105	41.5	1,800	45.0	2,100	47.5	2,300	105
110			41.5	1,600	44.0	1,800	110

⚠ WARNING

Do Not Lower 34 Ft. Offset Fly In Working Position Below 38 Degrees Unless Main Boom Length Is 77 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

BOOM MODE "A" OR "B"
0# CTWT

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

110 Ft. Main Boom + 56 Ft. Offset Fly

Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
40	76.5	6,400					40
45	75.0	6,400					45
50	73.5	6,400	78.0°	6,100			50
55	71.5	6,100	76.5	5,500			55
60	70.0	5,600	74.5	5,100			60
65	68.0	5,100	72.5	4,600	77.0	4,300	65
70	66.0	4,700	71.0	4,300	75.5	3,900	70
75	64.0	4,300	69.0	3,900	73.5	3,700	75
80	62.0	4,000	67.0	3,700	71.5	3,400	80
85	60.0	3,700	65.0	3,400	69.0	3,200	85
90	58.0	3,400	63.0	3,200	67.0	2,900	90
95	56.0	3,200	60.5	2,900	65.0	2,700	95
100	54.0	2,700	58.5	2,700	62.5	2,600	100
105	51.5	2,200	56.5	2,600	60.5	2,400	105
110	49.0	1,800	54.0	2,300	58.0	2,200	110
115	46.5	1,400	51.5	1,900	55.0	1,900	115
120			48.5	1,500	52.5	1,700	120
125					49.5	1,400	125

⚠ WARNING

Do Not Lower 56 Ft. Offset Fly In Working Position Below 44 Degrees Unless Main Boom Length Is 71 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

BOOM MODE "B"
0# CTWT

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

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft.			50 Ft.			60 Ft.			Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	
10	65.5	123,000	123,000	73.5	75,300	75,300				10
12	62.0	110,000	110,000	71.0	75,300	75,300	74.5	45,300	45,300	12
15	56.0	92,200	92,200	67.5	75,300	75,300	71.5	38,900	38,900	15
20	45.0	64,200	64,200	60.5	65,600	65,600	66.0	31,700	31,700	20
25	30.0	41,500	41,500	53.5	42,900	42,900	60.5	26,300	26,300	25
30				45.5	30,900	30,900	55.0	22,500	22,500	30
35	See Operation Note 20.			36.0	23,500	23,500	48.5	19,500	19,500	35
40				23.5	18,500	18,500	41.5	17,200	17,200	40
45							33.0	15,000	15,300	45
50							21.0	12,100	12,500	50
Min. Boom Angle/ Cap.	0°	29,300	29,300	0°	15,100	15,100	0°	10,600	10,700	Min. Boom Angle/ Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft.			80 Ft.			Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	
12	77.0	28,000	28,000				12
15	74.5	28,000	28,000	76.5	28,100	28,100	15
20	70.0	26,900	26,900	73.0	25,000	25,000	20
25	65.5	22,200	22,200	69.0	20,500	20,500	25
30	60.5	18,700	18,700	65.0	17,200	17,200	30
35	56.0	16,500	16,500	61.0	15,100	15,100	35
40	50.5	14,300	14,300	56.5	13,100	13,100	40
45	44.5	12,600	12,600	52.0	11,500	11,500	45
50	38.0	11,100	11,100	47.0	10,100	10,100	50
55	30.5	9,900	9,900	42.0	9,000	9,000	55
60	19.5	8,900	8,900	35.5	8,000	8,000	60
65				28.5	7,200	7,200	65
70				18.5	6,500	6,500	70
Min. Boom Angle/ Cap.	0°	8,000	8,300	0°	6,100	6,100	Min. Boom Angle/ Cap.

BOOM MODE "B"
0# CTWT

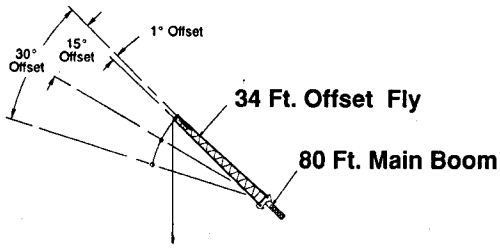
Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Fully Extended Outriggers
See Set Up Note 2.

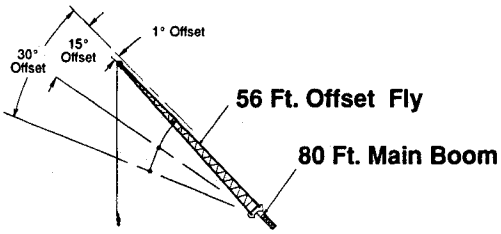
90 Ft. To 110 Ft. Main Boom

Load Radius In Feet	90 Ft.			100 Ft.			110 Ft.			Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	
20	75.0	25,400	25,400	77.0	27,600	27,600				20
25	72.0	20,900	20,900	74.0	22,900	22,900	76.0	19,600	19,600	25
30	68.5	17,700	17,700	71.0	19,500	19,500	73.5	19,600	19,600	30
35	65.0	15,500	15,500	68.0	16,800	16,800	70.5	19,600	19,600	35
40	61.0	13,500	13,500	65.0	15,000	15,000	68.0	17,300	17,300	40
45	57.5	11,800	11,800	61.5	13,200	13,200	65.0	15,400	15,400	45
50	53.5	10,500	10,500	58.0	11,800	11,800	62.0	12,500	12,800	50
55	49.0	9,300	9,300	54.5	10,600	10,600	58.5	10,200	10,700	55
60	44.5	8,300	8,300	50.5	8,900	9,400	55.5	8,400	9,000	60
65	39.5	7,500	7,500	46.5	7,500	8,000	52.0	7,000	7,500	65
70	34.0	6,800	6,800	42.5	6,200	6,800	48.5	5,800	6,300	70
75	27.0	5,800	6,200	37.5	5,200	5,800	44.5	4,700	5,300	75
80	17.5	4,900	5,400	32.0	4,300	4,900	40.5	3,900	4,400	80
85				25.5	3,600	4,100	36.0	3,100	3,700	85
90				16.5	2,900	3,500	31.0	2,500	3,000	90
Min. Boom Angle/ Cap.	0°	4,400	4,900	0°	2,600	3,100	24°			Min. Boom Angle/ Cap.

GENERAL INFORMATION ONLY

NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.





BOOM MODE "B"
0# CTWT

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

80 Ft. Main Boom + 34 Ft. Offset Fly

Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
25	76.0	17,500					25
30	73.5	15,800	78.0*	14,000			30
35	71.0	13,500	75.0	12,900			35
40	68.0	11,800	72.5	12,000	76.5	9,400	40
45	65.5	10,300	69.5	10,500	73.5	8,900	45
50	62.5	9,100	67.0	9,300	70.5	8,500	50
55	59.5	8,100	64.0	8,200	67.5	8,200	55
60	56.5	7,200	60.5	7,300	64.5	7,500	60
65	53.5	6,500	57.5	6,600	61.0	6,700	65
70	50.0	5,800	54.0	5,900	57.5	6,000	70
75	46.5	5,300	50.5	5,300	54.0	5,400	75
80	43.0	4,800	47.0	4,800	50.0	4,900	80
85	38.5	4,400	42.5	4,400	46.0	4,400	85
90	34.5	4,000	38.0	4,000	41.0	4,000	90
95	29.0	3,600	33.0	3,600	35.5	3,600	95
100	23.0	3,400	26.5	3,300	28.0	3,300	100
105	14.0	3,100	17.0	3,100			105
Min. Boom Angle/Cap.	0°	3,000	0°	3,000	0°	3,100	Min. Boom Angle/Cap.

BOOM MODE "B"
0# CTWT

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

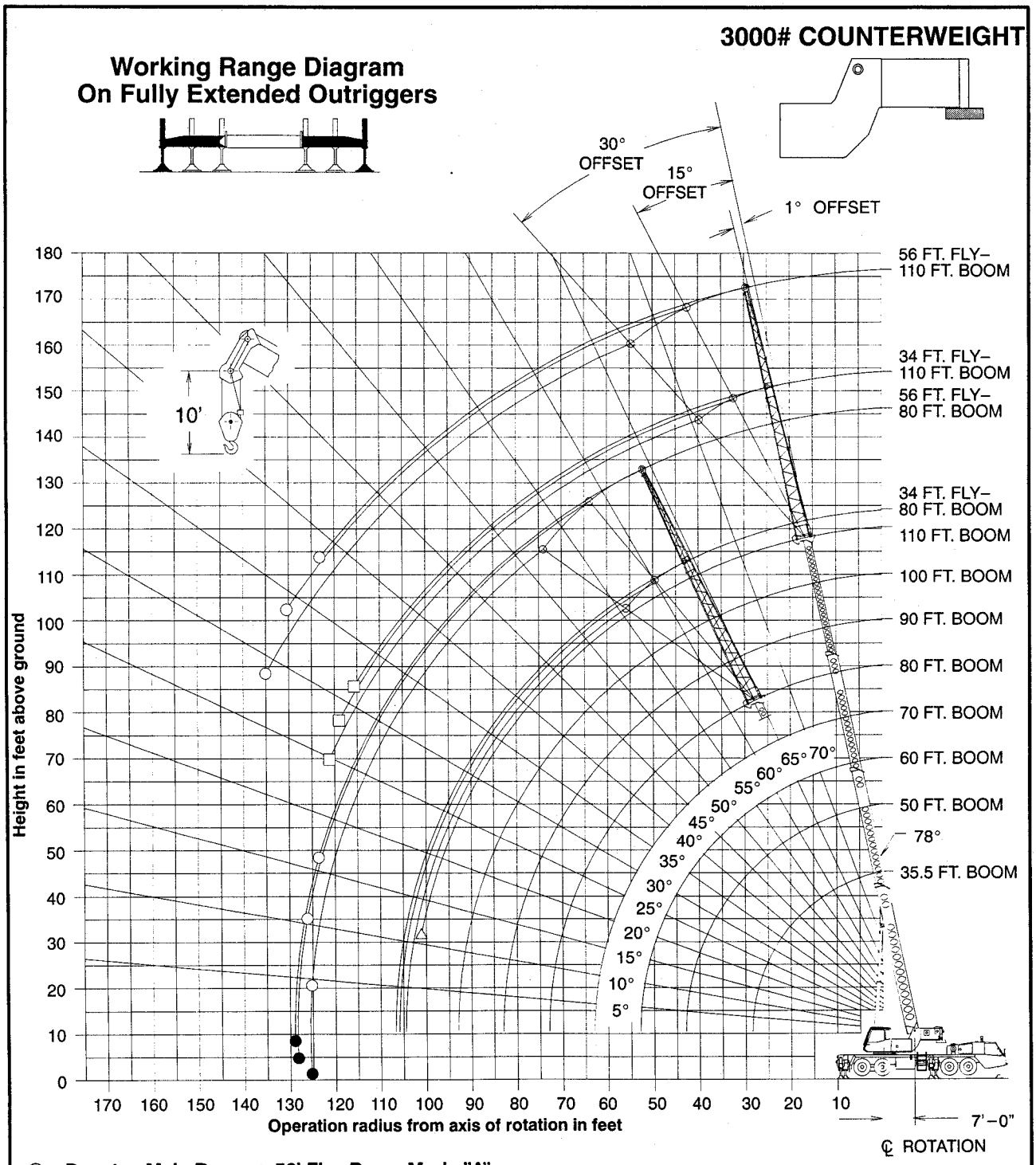
80 Ft. Main Boom + 56 Ft. Offset Fly

Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
30	77.0	10,700					30
35	75.5	10,700					35
40	73.0	9,900	78.0*	7,300			40
45	71.0	9,100	76.5	6,800			45
50	68.5	8,000	74.0	6,400			50
55	66.0	7,000	72.0	6,000	77.0	4,900	55
60	64.0	6,200	69.5	5,700	75.0	4,700	60
65	61.5	5,600	67.0	5,400	72.5	4,500	65
70	59.0	5,000	64.5	5,100	70.0	4,300	70
75	56.0	4,400	62.0	4,500	67.0	4,100	75
80	53.5	4,000	59.0	4,100	64.5	4,000	80
85	50.5	3,600	56.5	3,600	61.5	3,700	85
90	48.0	3,200	53.5	3,200	58.5	3,300	90
95	44.5	2,900	50.5	2,900	55.0	2,900	95
100	41.5	2,600	47.0	2,600	51.5	2,500	100
105	38.0	2,300	43.5	2,300	47.5	2,200	105
110	34.0	2,100	39.5	2,000	43.5	1,900	110
115	30.0	1,900	35.0	1,800	38.5	1,600	115
120	25.0	1,800	30.0	1,600	32.0	1,400	120
125	18.5	1,700	23.0	1,500	21.5	1,400	125
Min. Boom Angle/Cap.	0°	1,700	0°	1,500	0°	1,400	Min. Boom Angle/Cap.

NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.

GENERAL INFORMATION ONLY

WORKING RANGE DIAGRAM



○ Denotes Main Boom + 56' Fly–Boom Mode "A"
● Denotes Main Boom + 56' Fly–Boom Mode "B"
□ Denotes Main Boom + 34' Fly–Boom Mode "A"
△ Denotes Main Boom–Boom Mode "A"

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 As Shown In The Above Chart For The Boom Lengths Shown. Loss Of Stability Will Occur Causing A Tipping Condition.

GENERAL INFORMATION ONLY

Fully Extended Outriggers – 3,000# Counterweight

BOOM MODE "A"
3000# CTWT

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

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. 360°	35.5 Ft. Over Rear	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. 360°	50 Ft. Over Rear	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. 360°	60 Ft. Over Rear	Load Radius In Feet
10	65.5	125,000	125,000	73.5	75,300	75,300				10
12	62.0	110,000	110,000	71.0	75,300	75,300	74.5	74,900	74,900	12
15	56.0	94,400	94,400	67.0	75,300	75,300	71.5	74,900	74,900	15
20	45.0	69,000	69,000	60.5	68,800	68,800	66.5	68,600	68,600	20
25	30.0	45,000	45,000	53.5	45,100	45,100	61.0	45,100	45,100	25
30				45.5	32,400	32,400	55.0	32,400	32,400	30
35	See Operation Note 20.			36.0	24,600	24,600	48.5	24,600	24,600	35
40				23.5	19,300	19,300	41.5	19,300	19,300	40
45							33.0	15,500	15,500	45
50							21.0	12,400	12,600	50
Min. Boom Angle/ Cap.	0°	29,300	29,300	0°	16,100	16,100	0°	10,800	11,100	Min. Boom Angle/ Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. 360°	70 Ft. Over Rear	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. 360°	80 Ft. Over Rear	Load Radius In Feet
12	77.0	57,800	57,800				12
15	74.5	52,600	52,600	77.0	42,800	42,800	15
20	70.5	45,200	45,200	73.5	37,500	37,500	20
25	66.0	39,700	39,700	69.5	32,700	32,700	25
30	61.0	32,400	32,400	65.5	29,200	29,200	30
35	56.0	24,600	24,600	61.5	24,600	24,600	35
40	50.5	19,300	19,300	57.0	19,300	19,300	40
45	45.0	15,500	15,500	52.5	15,500	15,500	45
50	38.0	12,400	12,600	47.5	12,400	12,600	50
55	30.5	10,000	10,300	42.0	10,000	10,300	55
60	19.5	8,100	8,500	36.0	8,100	8,500	60
65				28.5	6,500	7,000	65
70				18.5	5,300	5,700	70
Min. Boom Angle/Cap.	0°	7,100	7,500	0°	4,600	5,000	Min. Boom Angle/Cap.

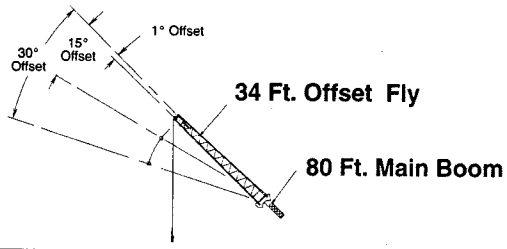
BOOM MODE "A"
3000# CTWT

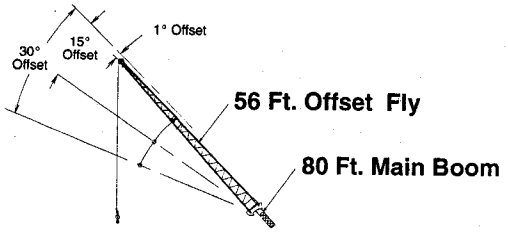
Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Fully Extended Outriggers
See Set Up Note 2.

90 Ft. To 110 Ft. Main Boom

Load Radius In Feet	90 Ft. Loaded Boom Angle (Deg.)	90 Ft. 360°	90 Ft. Over Rear	100 Ft. Loaded Boom Angle (Deg)	100 Ft. 360°	100 Ft. Over Rear	110 Ft. Loaded Boom Angle (Deg.)	110 Ft. 360°	110 Ft. Over Rear	Load Radius In Feet
20	75.5	28,300	28,300	77.0	28,000	28,000				20
25	72.0	28,300	28,300	74.5	28,000	28,000	76.0	19,600	19,600	25
30	68.5	24,800	24,800	71.5	24,100	24,100	73.5	19,600	19,600	30
35	65.0	21,200	21,200	68.5	20,700	20,700	71.0	19,600	19,600	35
40	61.5	18,400	18,400	65.0	17,900	17,900	68.0	17,300	17,300	40
45	57.5	15,800	15,800	61.5	15,900	15,900	65.0	15,600	15,600	45
50	53.5	12,700	12,900	58.5	13,500	13,600	62.0	13,800	13,800	50
55	49.5	10,400	10,700	54.5	11,100	11,400	59.0	11,700	11,900	55
60	44.5	8,500	8,900	51.0	9,200	9,500	55.5	9,800	10,100	60
65	39.5	6,900	7,400	47.0	7,600	8,000	52.0	8,200	8,500	65
70	34.0	5,600	6,100	42.5	6,300	6,700	48.5	6,900	7,200	70
75	27.0	4,600	5,000	37.5	5,200	5,700	44.5	5,800	6,200	75
80	17.5	3,600	4,100	32.0	4,300	4,700	40.5	4,800	5,200	80
85				25.5	3,500	3,900	36.0	4,000	4,400	85
90				16.5	2,800	3,200	31.0	3,300	3,700	90
95							24.5	2,700	3,100	95
100							16.0	2,100	2,500	100
Min. Boom Angle/ Cap.	0°	3,100	3,600	0°	2,400	2,800	11°			Min. Boom Angle/ Cap.

GENERAL INFORMATION ONLY





BOOM MODE "A"
3000# CTWT

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

80 Ft. Main Boom + 34 Ft. Offset Fly

Load Radius In Feet	1° Offset Loaded Boom Angle (Deg.)	1° Offset 360°	15° Offset Loaded Boom Angle (Deg.)	15° Offset 360°	30° Offset Loaded Boom Angle (Deg.)	30° Offset 360°	Load Radius In Feet
25	76.0	20,400					25
30	73.5	18,700	77.5	14,000			30
35	71.0	17,300	75.0	12,900			35
40	68.5	16,100	72.0	12,000	76.0	9,400	40
45	65.5	14,900	69.5	11,200	73.0	8,900	45
50	63.0	13,500	66.5	10,500	70.5	8,500	50
55	60.0	12,300	63.5	9,800	67.5	8,200	55
60	57.0	10,300	60.5	9,300	64.0	7,800	60
65	53.5	8,700	57.5	8,800	61.0	7,600	65
70	50.0	7,400	54.5	8,000	57.5	7,300	70
75	46.5	6,200	50.5	6,800	54.0	7,100	75
80	42.5	5,300	47.0	5,800	50.0	6,200	80
85	38.5	4,500	42.5	4,900	45.5	5,200	85
90	34.0	3,700	38.0	4,100	41.0	4,300	90
95	29.0	3,100	33.0	3,400	35.0	3,600	95
100	22.5	2,500	26.5	2,700	27.5	2,800	100
105	13.5	2,100	16.5	2,100			105
Min. Boom Angle/Cap.	0°	1,900	0°	1,900	0°	2,000	Min. Boom Angle/Cap.

BOOM MODE "A"
3000# CTWT

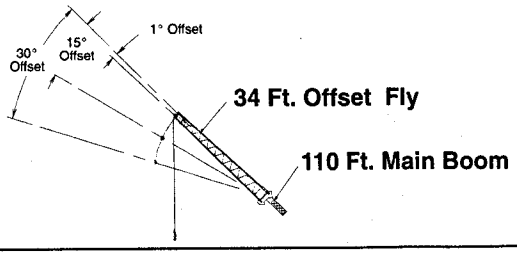
Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Fully Extended Outriggers
See Set Up Note 2.

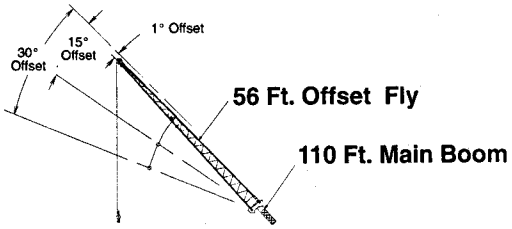
80 Ft. Main Boom + 56 Ft. Offset Fly

Load Radius In Feet	1° Offset Loaded Boom Angle (Deg.)	1° Offset 360°	15° Offset Loaded Boom Angle (Deg.)	15° Offset 360°	30° Offset Loaded Boom Angle (Deg.)	30° Offset 360°	Load Radius In Feet
30	77.0	12,300					30
35	75.0	11,000					35
40	72.5	9,900	78.0*	7,300			40
45	70.5	9,100	76.0	6,800			45
50	68.0	8,300	73.5	6,400			50
55	66.0	7,700	71.5	6,000	77.0	4,900	55
60	63.5	7,100	69.0	5,700	74.5	4,700	60
65	61.0	6,600	66.5	5,400	72.0	4,500	65
70	59.0	6,200	64.0	5,100	69.5	4,300	70
75	56.5	5,800	61.5	4,800	67.0	4,100	75
80	53.5	5,400	59.0	4,600	64.0	4,000	80
85	51.0	5,100	56.5	4,400	61.5	3,900	85
90	48.0	4,600	53.5	4,200	58.5	3,700	90
95	45.0	3,900	50.5	4,000	55.0	3,600	95
100	41.5	3,300	47.0	3,800	51.5	3,500	100
105	38.0	2,800	43.5	3,300	48.0	3,500	105
110	34.0	2,400	39.5	2,700	43.5	3,100	110
115	30.0	2,000	35.0	2,300	38.5	2,500	115
120	24.5	1,600	29.5	1,800	32.0	2,000	120
125			22.5	1,400	21.0	1,300	125

⚠ WARNING
Do Not Lower 56 Ft. Offset Fly In Working Position Below 17 Degrees Unless Main Boom Length Is 76 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.





BOOM MODE "A" OR "B"
3000# CTWT

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

110 Ft. Main Boom + 34 Ft. Offset Fly

Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
30	77.5	10,000					30
35	75.5	10,000					35
40	74.0	10,000	77.0	9,500			40
45	72.0	9,400	75.0	8,600	78.0°	7,900	45
50	69.5	8,300	73.0	7,800	76.0	7,300	50
55	67.5	7,400	71.0	7,200	74.0	6,700	55
60	65.0	6,600	68.5	6,500	71.5	6,200	60
65	63.0	5,900	66.0	5,800	69.5	5,800	65
70	60.5	5,300	64.0	5,300	67.0	5,200	70
75	58.0	4,800	61.5	4,700	64.5	4,700	75
80	56.0	4,300	59.0	4,300	62.0	4,300	80
85	53.5	3,900	56.5	3,900	59.5	3,800	85
90	50.5	3,500	54.0	3,500	56.5	3,500	90
95	48.0	3,200	51.0	3,100	53.5	3,100	95
100	45.0	2,900	48.0	2,800	50.5	2,800	100
105	42.0	2,400	45.0	2,600	47.5	2,500	105
110	38.5	2,000	42.0	2,300	44.0	2,300	110
115	35.0	1,600	38.0	1,800	40.0	2,000	115
120					36.0	1,500	120

⚠ WARNING

Do Not Lower 34 Ft. Offset Fly In Working Position Below 32 Degrees Unless Main Boom Length Is 82 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

BOOM MODE "A" OR "B"
3000# CTWT

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

110 Ft. Main Boom + 56 Ft. Offset Fly

Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
40	76.5	6,400					40
45	75.0	6,400					45
50	73.5	6,400	78.0°	6,100			50
55	71.5	6,100	76.5	5,500			55
60	70.0	5,600	74.5	5,100			60
65	68.0	5,100	72.5	4,600	77.0	4,300	65
70	66.0	4,700	71.0	4,300	75.5	3,900	70
75	64.0	4,300	69.0	3,900	73.5	3,700	75
80	62.0	4,000	67.0	3,700	71.5	3,400	80
85	60.0	3,700	65.0	3,400	69.0	3,200	85
90	58.0	3,400	63.0	3,200	67.0	2,900	90
95	56.0	3,200	60.5	2,900	65.0	2,700	95
100	54.0	2,900	58.5	2,700	62.5	2,600	100
105	51.5	2,700	56.5	2,600	60.5	2,400	105
110	49.5	2,400	54.0	2,300	58.0	2,200	110
115	47.0	2,000	51.5	2,100	55.0	1,900	115
120	44.0	1,700	49.0	1,800	52.5	1,700	120
125			46.0	1,600	49.5	1,400	125
130					46.5	1,200	130

⚠ WARNING

Do Not Lower 56 Ft. Offset Fly In Working Position Below 39 Degrees Unless Main Boom Length Is 76 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

BOOM MODE "B"
3000# CTWT

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

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft.			50 Ft.			60 Ft.			Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	
10	65.5	125,000	125,000	73.5	75,300	75,300				10
12	62.0	110,000	110,000	71.0	75,300	75,300	74.5	45,300	45,300	12
15	56.0	94,400	94,400	67.5	75,300	75,300	71.5	38,900	38,900	15
20	45.0	69,000	69,000	60.5	66,700	66,700	66.0	31,700	31,700	20
25	30.0	45,000	45,000	53.5	46,300	46,300	60.5	26,300	26,300	25
30				45.5	33,600	33,600	55.0	22,500	22,500	30
35	See Operation Note 20.			36.0	25,700	25,700	48.5	19,500	19,500	35
40				23.5	20,300	20,300	41.5	17,200	17,200	40
45							33.0	15,900	15,900	45
50							21.0	13,700	13,800	50
Min. Boom Angle/ Cap.	0°	29,300	29,300	0°	15,100	15,100	0°	10,700	10,700	Min. Boom Angle/ Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft.			80 Ft.			Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	
12	77.0	28,000	28,000				12
15	74.5	28,000	28,000	76.5	28,100	28,100	15
20	70.0	26,900	26,900	73.0	25,000	25,000	20
25	65.5	22,200	22,200	69.0	20,500	20,500	25
30	60.5	18,700	18,700	65.0	17,200	17,200	30
35	56.0	16,500	16,500	61.0	15,100	15,100	35
40	50.5	14,300	14,300	56.5	13,100	13,100	40
45	44.5	12,600	12,600	52.0	11,500	11,500	45
50	38.0	11,100	11,100	47.0	10,100	10,100	50
55	30.5	9,900	9,900	42.0	9,000	9,000	55
60	19.5	8,900	8,900	35.5	8,000	8,000	60
65				28.5	7,200	7,200	65
70				18.5	6,500	6,500	70
Min. Boom Angle/ Cap.	0°	8,300	8,300	0°	6,100	6,100	Min. Boom Angle/ Cap.

BOOM MODE "B"
3000# CTWT

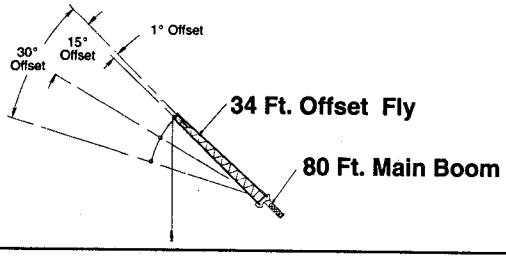
Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Fully Extended Outriggers
See Set Up Note 2.

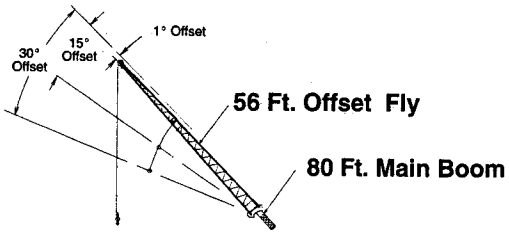
90 Ft. To 110 Ft. Main Boom

Load Radius In Feet	90 Ft.			100 Ft.			110 Ft.			Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	
20	75.0	25,400	25,400	77.0	27,600	27,600				20
25	72.0	20,900	20,900	74.0	22,900	22,900	76.0	19,600	19,600	25
30	68.5	17,700	17,700	71.0	19,500	19,500	73.5	19,600	19,600	30
35	65.0	15,500	15,500	68.0	16,800	16,800	70.5	19,600	19,600	35
40	61.0	13,500	13,500	65.0	15,000	15,000	68.0	17,300	17,300	40
45	57.5	11,800	11,800	61.5	13,200	13,200	65.0	15,600	15,600	45
50	53.5	10,500	10,500	58.0	11,800	11,800	62.0	13,800	13,800	50
55	49.0	9,300	9,300	54.5	10,600	10,600	59.0	11,700	11,900	55
60	44.5	8,300	8,300	50.5	9,500	9,500	55.5	9,800	10,100	60
65	39.5	7,500	7,500	46.5	8,600	8,600	52.0	8,200	8,500	65
70	34.0	6,800	6,800	42.5	7,300	7,700	48.5	6,900	7,200	70
75	27.0	6,200	6,200	37.5	6,200	6,600	44.5	5,800	6,200	75
80	17.5	5,600	5,600	32.5	5,300	5,700	40.5	4,800	5,200	80
85				25.5	4,500	4,900	36.0	4,000	4,400	85
90				16.5	3,700	4,100	31.0	3,300	3,700	90
95							24.5	2,700	3,100	95
100							16.0	2,100	2,500	100
Min. Boom Angle/ Cap.	0°	5,300	5,300	0°	3,400	3,800	11°			Min. Boom Angle/ Cap.

GENERAL INFORMATION ONLY

NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.





BOOM MODE "B"
3000# CTWT

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

80 Ft. Main Boom + 34 Ft. Offset Fly

Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
25	76.0	17,500					25
30	73.5	15,800	78.0*	14,000			30
35	71.0	13,500	75.0	12,900			35
40	68.0	11,800	72.5	12,000	76.5	9,400	40
45	65.5	10,300	69.5	10,500	73.5	8,900	45
50	62.5	9,100	67.0	9,300	70.5	8,500	50
55	59.5	8,100	64.0	8,200	67.5	8,200	55
60	56.5	7,200	60.5	7,300	64.5	7,500	60
65	53.5	6,500	57.5	6,600	61.0	6,700	65
70	50.0	5,800	54.0	5,900	57.5	6,000	70
75	46.5	5,300	50.5	5,300	54.0	5,400	75
80	43.0	4,800	47.0	4,800	50.0	4,900	80
85	38.5	4,400	42.5	4,400	46.0	4,400	85
90	34.5	4,000	38.0	4,000	41.0	4,000	90
95	29.0	3,600	33.0	3,600	35.5	3,600	95
100	23.0	3,400	26.5	3,300	28.0	3,300	100
105	14.0	3,200	17.0	3,100			105
Min. Boom Angle/Cap.	0°	3,200	0°	3,100	0°	3,300	Min. Boom Angle/Cap.

BOOM MODE "B"
3000# CTWT

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

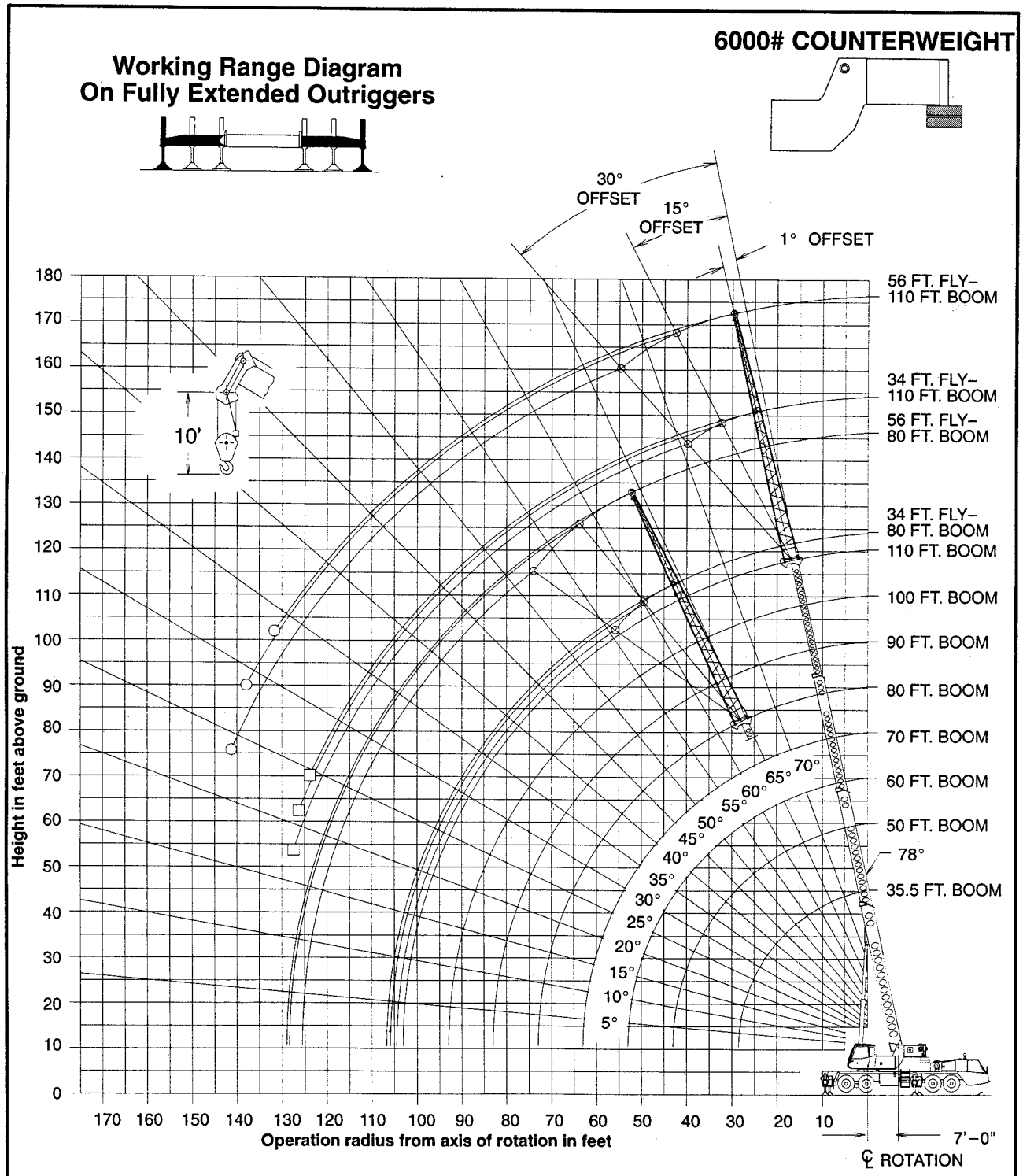
80 Ft. Main Boom + 56 Offset Fly

Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
30	77.0	10,700					30
35	75.5	10,700					35
40	73.0	9,900	78.0*	7,300			40
45	71.0	9,100	76.5	6,800			45
50	68.5	8,000	74.0	6,400			50
55	66.0	7,000	72.0	6,000	77.0	4,900	55
60	64.0	6,200	69.5	5,700	75.0	4,700	60
65	61.5	5,600	67.0	5,400	72.5	4,500	65
70	59.0	5,000	64.5	5,100	70.0	4,300	70
75	56.0	4,400	62.0	4,500	67.0	4,100	75
80	53.5	4,000	59.0	4,100	64.5	4,000	80
85	50.5	3,600	56.5	3,600	61.5	3,700	85
90	48.0	3,200	53.5	3,200	58.5	3,300	90
95	44.5	2,900	50.5	2,900	55.0	2,900	95
100	41.5	2,600	47.0	2,600	51.5	2,500	100
105	38.0	2,300	43.5	2,300	47.5	2,200	105
110	34.0	2,100	39.5	2,000	43.5	1,900	110
115	30.0	1,900	35.0	1,800	38.5	1,600	115
120	25.0	1,800	30.0	1,600	32.0	1,400	120
125	18.5	1,700	23.0	1,500	21.5	1,400	125
Min. Boom Angle/Cap.	0°	1,700	0°	1,500	0°	1,400	Min. Boom Angle/Cap.

NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.

GENERAL INFORMATION ONLY

WORKING RANGE DIAGRAM



○ Denotes Main Boom + 56' Fly–Boom Mode "A"
□ Denotes Main Boom + 34' Fly–Boom Mode "A"

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 As Shown In The Above Chart For The Boom Lengths Shown. Loss Of Stability Will Occur Causing A Tipping Condition.

GENERAL INFORMATION ONLY

Fully Extended Outriggers – 6,000# Counterweight

BOOM MODE "A"
6000# CTWT

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

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. 360°	35.5 Ft. Over Rear	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. 360°	50 Ft. Over Rear	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. 360°	60 Ft. Over Rear	Load Radius In Feet
10	65.5	127,000	127,000	73.5	75,300	75,300				10
12	62.0	110,000	110,000	71.0	75,300	75,300	74.5	74,900	74,900	12
15	56.0	96,300	96,300	67.0	75,300	75,300	71.5	74,900	74,900	15
20	45.0	70,900	70,900	60.5	70,700	70,700	66.5	70,600	70,600	20
25	30.0	48,500	48,500	53.5	48,600	48,600	61.0	48,500	48,500	25
30				45.5	35,100	35,100	55.0	35,100	35,100	30
35	See Operation Note 20.			36.0	26,700	26,700	48.5	26,700	26,700	35
40				23.5	21,100	21,100	41.5	21,100	21,100	40
45							33.0	17,000	17,000	45
50							21.0	13,900	13,900	50
Min. Boom Angle/ Cap.	0°	29,300	29,300	0°	16,100	16,100	0°	11,500	11,500	Min. Boom Angle/ Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. 360°	70 Ft. Over Rear	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. 360°	80 Ft. Over Rear	Load Radius In Feet
12	77.0	57,800	57,800				12
15	74.5	52,600	52,600	77.0	42,800	42,800	15
20	70.5	45,200	45,200	73.5	37,500	37,500	20
25	66.0	39,700	39,700	69.5	32,700	32,700	25
30	61.0	35,000	35,000	65.5	29,200	29,200	30
35	56.0	26,700	26,700	61.5	26,200	26,200	35
40	50.5	21,100	21,100	57.0	21,100	21,100	40
45	45.0	17,000	17,000	52.5	17,000	17,000	45
50	38.5	13,900	13,900	47.5	13,900	13,900	50
55	30.5	11,500	11,500	42.0	11,500	11,600	55
60	19.5	9,400	9,600	36.0	9,400	9,600	60
65				28.5	7,700	8,000	65
70				18.5	6,400	6,600	70
Min. Boom Angle/Cap.	0°	8,300	8,400	0°	5,600	5,900	Min. Boom Angle/Cap.

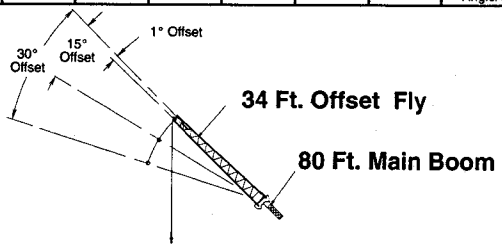
BOOM MODE "A"
6000# CTWT

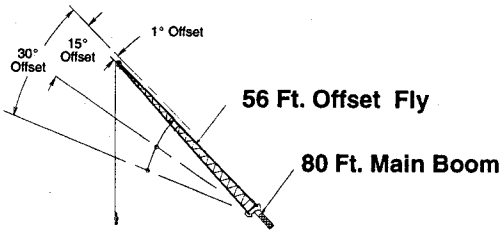
Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Fully Extended Outriggers
See Set Up Note 2.

90 Ft. To 110 Ft. Main Boom

Load Radius In Feet	90 Ft. Loaded Boom Angle (Deg.)	90 Ft. 360°	90 Ft. Over Rear	100 Ft. Loaded Boom Angle (Deg.)	100 Ft. 360°	100 Ft. Over Rear	110 Ft. Loaded Boom Angle (Deg.)	110 Ft. 360°	110 Ft. Over Rear	Load Radius In Feet
20	75.5	28,300	28,300	77.0	28,000	28,000				20
25	72.0	28,300	28,300	74.5	28,000	28,000	76.0	19,600	19,600	25
30	68.5	24,800	24,800	71.5	24,100	24,100	73.5	19,600	19,600	30
35	65.0	21,200	21,200	68.5	20,700	20,700	71.0	19,600	19,600	35
40	61.5	18,400	18,400	65.0	17,900	17,900	68.0	17,300	17,300	40
45	57.5	16,300	16,300	61.5	15,900	15,900	65.0	15,600	15,600	45
50	53.5	14,300	14,300	58.5	14,000	14,000	62.0	13,800	13,800	50
55	49.5	11,900	11,900	54.5	12,400	12,400	59.0	12,200	12,200	55
60	44.5	9,800	10,000	51.0	10,500	10,600	55.5	10,900	10,900	60
65	39.5	8,100	8,400	47.0	8,800	9,000	52.5	9,400	9,500	65
70	34.0	6,700	7,000	42.5	7,400	7,700	48.5	8,000	8,200	70
75	27.0	5,600	5,900	37.5	6,200	6,500	45.0	6,800	7,000	75
80	17.5	4,600	4,900	32.5	5,200	5,500	40.5	5,700	6,000	80
85				26.0	4,300	4,700	36.0	4,900	5,200	85
90				17.0	3,600	3,900	31.0	4,100	4,400	90
95							25.0	3,400	3,700	95
100							16.0	2,800	3,100	100
Min. Boom Angle/ Cap.	0°	4,000	4,300	0°	3,200	3,500	0°	2,500	2,800	Min. Boom Angle/ Cap.

GENERAL INFORMATION ONLY





BOOM MODE "A"
6000# CTWT

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

80 Ft. Main Boom + 34 Ft. Offset Fly

Load Radius In Feet	1° Offset Loaded Boom Angle (Deg.)	1° Offset 360°	15° Offset Loaded Boom Angle (Deg.)	15° Offset 360°	30° Offset Loaded Boom Angle (Deg.)	30° Offset 360°	Load Radius In Feet
25	76.0	20,400					25
30	73.5	18,700	77.5	14,000			30
35	71.0	17,300	75.0	12,900			35
40	68.5	16,100	72.0	12,000	76.0	9,400	40
45	65.5	14,900	69.5	11,200	73.0	8,900	45
50	63.0	13,500	66.5	10,500	70.5	8,500	50
55	60.0	12,400	63.5	9,800	67.5	8,200	55
60	57.0	11,500	60.5	9,300	64.0	7,800	60
65	53.5	9,900	57.5	8,800	61.0	7,600	65
70	50.5	8,500	54.5	8,400	57.5	7,300	70
75	46.5	7,200	51.0	7,800	54.0	7,100	75
80	43.0	6,200	47.0	6,700	50.5	6,900	80
85	38.5	5,300	43.0	5,700	46.0	6,100	85
90	34.0	4,500	38.0	4,900	41.0	5,100	90
95	29.0	3,900	33.0	4,100	35.5	4,300	95
100	23.0	3,300	26.5	3,500	28.0	3,500	100
105	13.5	2,700	17.0	2,800			105
Min. Boom Angle/Cap.	0°	2,600	0°	2,600	0°	2,700	Min. Boom Angle/Cap.

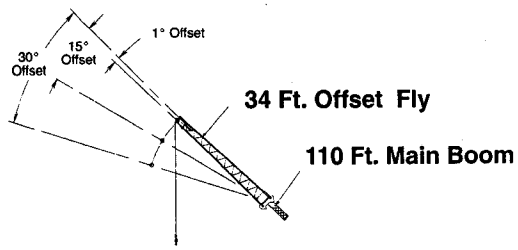
BOOM MODE "A"
6000# CTWT

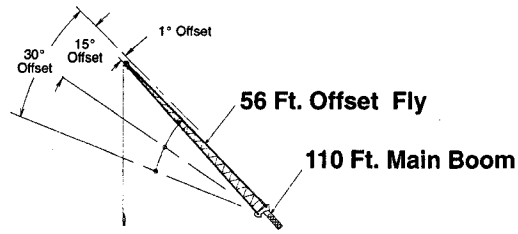
Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Fully Extended Outriggers
See Set Up Note 2.

80 Ft. Main Boom + 56 Ft. Offset Fly

Load Radius In Feet	1° Offset Loaded Boom Angle (Deg.)	1° Offset 360°	15° Offset Loaded Boom Angle (Deg.)	15° Offset 360°	30° Offset Loaded Boom Angle (Deg.)	30° Offset 360°	Load Radius In Feet
30	77.0	12,300					30
35	75.0	11,000					35
40	72.5	9,900	78.0*	7,300			40
45	70.5	9,100	76.0	6,800			45
50	68.0	8,300	73.5	6,400			50
55	66.0	7,700	71.5	6,000	77.0	4,900	55
60	63.5	7,100	69.0	5,700	74.5	4,700	60
65	61.0	6,600	66.5	5,400	72.0	4,500	65
70	59.0	6,200	64.0	5,100	69.5	4,300	70
75	56.5	5,800	61.5	4,800	67.0	4,100	75
80	53.5	5,400	59.0	4,600	64.0	4,000	80
85	51.0	5,100	56.5	4,400	61.5	3,900	85
90	48.0	4,800	53.5	4,200	58.5	3,700	90
95	45.0	4,600	50.5	4,000	55.0	3,600	95
100	42.0	4,100	47.0	3,900	51.5	3,500	100
105	38.0	3,500	43.5	3,700	48.0	3,500	105
110	34.5	3,000	39.5	3,400	43.5	3,400	110
115	30.0	2,600	35.0	2,900	39.0	3,100	115
120	25.0	2,200	30.0	2,400	32.5	2,500	120
125	18.0	1,800	22.5	2,000	21.0	1,900	125
Min. Boom Angle/Cap.	0°	1,500	0°	1,600	0°	1,700	Min. Boom Angle/Cap.

NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.





BOOM MODE "A" OR "B"
6000# CTWT

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

110 Ft. Main Boom + 34 Ft. Offset Fly

Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
30	77.5	10,000					30
35	75.5	10,000					35
40	74.0	10,000	77.0	9,500			40
45	72.0	9,400	75.0	8,600	78.0*	7,900	45
50	69.5	8,300	73.0	7,800	76.0	7,300	50
55	67.5	7,400	71.0	7,200	74.0	6,700	55
60	65.0	6,600	68.5	6,500	71.5	6,200	60
65	63.0	5,900	66.0	5,800	69.5	5,800	65
70	60.5	5,300	64.0	5,300	67.0	5,200	70
75	58.0	4,800	61.5	4,700	64.5	4,700	75
80	56.0	4,300	59.0	4,300	62.0	4,300	80
85	53.5	3,900	56.5	3,900	59.5	3,800	85
90	50.5	3,500	54.0	3,500	56.5	3,500	90
95	48.0	3,200	51.0	3,100	53.5	3,100	95
100	45.0	2,900	48.0	2,800	50.5	2,800	100
105	42.0	2,600	45.0	2,600	47.5	2,500	105
110	38.5	2,400	42.0	2,300	44.0	2,300	110
115	35.0	2,100	38.0	2,100	40.0	2,000	115
120	31.5	1,800	34.5	1,900	36.0	1,800	120
125			29.5	1,600	31.0	1,700	125

⚠ WARNING

Do Not Lower 34 Ft. Offset Fly In Working Position Below 25 Degrees Unless Main Boom Length Is 90 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

BOOM MODE "A" OR "B"
6000# CTWT

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

110 Ft. Main Boom + 56 Ft. Offset Fly

Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
40	76.5	6,400					40
45	75.0	6,400					45
50	73.5	6,400	78.0*	6,100			50
55	71.5	6,100	76.5	5,500			55
60	70.0	5,600	74.5	5,100			60
65	68.0	5,100	72.5	4,600	77.0	4,300	65
70	66.0	4,700	71.0	4,300	75.5	3,900	70
75	64.0	4,300	69.0	3,900	73.5	3,700	75
80	62.0	4,000	67.0	3,700	71.5	3,400	80
85	60.0	3,700	65.0	3,400	69.0	3,200	85
90	58.0	3,400	63.0	3,200	67.0	2,900	90
95	56.0	3,200	60.5	2,900	65.0	2,700	95
100	54.0	2,900	58.5	2,700	62.5	2,600	100
105	51.5	2,700	56.5	2,600	60.5	2,400	105
110	49.5	2,400	54.0	2,300	58.0	2,200	110
115	47.0	2,200	51.5	2,100	55.0	1,900	115
120	44.5	1,900	49.0	1,800	52.5	1,700	120
125	41.5	1,700	46.0	1,600	49.5	1,400	125
130	38.5	1,500	43.0	1,400	46.5	1,200	130

⚠ WARNING

Do Not Lower 56 Ft. Offset Fly In Working Position Below 34 Degrees Unless Main Boom Length Is 81 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

BOOM MODE "B"
6000# CTWT

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

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft.			50 Ft.			60 Ft.			Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	
10	65.5	127,000	127,000	73.5	75,300	75,300				10
12	62.0	110,000	110,000	71.0	75,300	75,300	74.5	45,300	45,300	12
15	56.0	96,300	96,300	67.5	75,300	75,300	71.5	38,900	38,900	15
20	45.0	70,900	70,900	60.5	66,700	66,700	66.0	31,700	31,700	20
25	30.0	48,500	48,500	53.5	49,800	49,800	60.5	26,300	26,300	25
30				45.5	36,200	36,200	55.0	22,500	22,500	30
35	See Operation Note 20.			36.0	27,800	27,800	48.5	19,500	19,500	35
40				23.5	22,100	22,100	41.5	17,200	17,200	40
45							33.0	15,900	15,900	45
50							21.0	14,500	14,500	50
Min. Boom Angle/ Cap.	0°	29,300	29,300	0°	15,100	15,100	0°	10,700	10,700	Min. Boom Angle/ Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft.			80 Ft.			Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	
12	77.0	28,000	28,000				12
15	74.5	28,000	28,000	76.5	28,100	28,100	15
20	70.0	26,900	26,900	73.0	25,000	25,000	20
25	65.5	22,200	22,200	69.0	20,500	20,500	25
30	60.5	18,700	18,700	65.0	17,200	17,200	30
35	56.0	16,500	16,500	61.0	15,100	15,100	35
40	50.5	14,300	14,300	56.5	13,100	13,100	40
45	44.5	12,600	12,600	52.0	11,500	11,500	45
50	38.0	11,100	11,100	47.0	10,100	10,100	50
55	30.5	9,900	9,900	42.0	9,000	9,000	55
60	19.5	8,900	8,900	35.5	8,000	8,000	60
70				28.5	7,200	7,200	70
80				18.5	6,500	6,500	80
Min. Boom Angle/ Cap.	0°	8,300	8,300	0°	6,100	6,100	Min. Boom Angle/ Cap.

BOOM MODE "B"
6000# CTWT

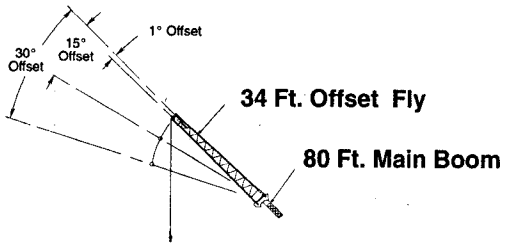
Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Fully Extended Outriggers
See Set Up Note 2.

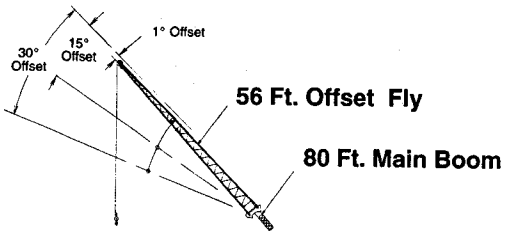
90 Ft. To 110 Ft. Main Boom

Load Radius In Feet	90 Ft.			100 Ft.			110 Ft.			Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	
20	75.0	25,400	25,400	77.0	27,600	27,600				20
25	72.0	20,900	20,900	74.0	22,900	22,900	76.0	19,600	19,600	25
30	68.5	17,700	17,700	71.0	19,500	19,500	73.5	19,600	19,600	30
35	65.0	15,500	15,500	68.0	16,800	16,800	70.5	19,600	19,600	35
40	61.0	13,500	13,500	65.0	15,000	15,000	68.0	17,300	17,300	40
45	57.5	11,800	11,800	61.5	13,200	13,200	65.0	15,600	15,600	45
50	53.5	10,500	10,500	58.0	11,800	11,800	62.0	13,800	13,800	50
55	49.0	9,300	9,300	54.5	10,600	10,600	59.0	12,200	12,200	55
60	44.5	8,300	8,300	50.5	9,500	9,500	55.5	10,900	10,900	60
65	39.5	7,500	7,500	46.5	8,600	8,600	52.5	9,400	9,500	65
70	34.0	6,800	6,800	42.5	7,800	7,800	48.5	8,000	8,200	70
75	27.0	6,200	6,200	37.5	7,200	7,200	45.0	6,800	7,000	75
80	17.5	5,600	5,600	32.5	6,200	6,500	40.5	5,700	6,000	80
85				26.0	5,300	5,600	36.0	4,900	5,200	85
90				17.0	4,600	4,800	31.0	4,100	4,400	90
95							25.0	3,400	3,700	95
100							16.0	2,800	3,100	100
Min. Boom Angle/ Cap.	0°	5,300	5,300	0°	4,100	4,300	0°	2,500	2,800	Min. Boom Angle/ Cap.

GENERAL INFORMATION ONLY

NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.





BOOM MODE "B"
6000# CTWT

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

80 Ft. Main Boom + 34 Ft. Offset Fly

Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
25	76.0	17,500					25
30	73.5	15,800	78.0*	14,000			30
35	71.0	13,500	75.0	12,900			35
40	68.0	11,800	72.5	12,000	76.5	9,400	40
45	65.5	10,300	69.5	10,500	73.5	8,900	45
50	62.5	9,100	67.0	9,300	70.5	8,500	50
55	59.5	8,100	64.0	8,200	67.5	8,200	55
60	56.5	7,200	60.5	7,300	64.5	7,500	60
65	53.5	6,500	57.5	6,600	61.0	6,700	65
70	50.0	5,800	54.0	5,900	57.5	6,000	70
75	46.5	5,300	50.5	5,300	54.0	5,400	75
80	43.0	4,800	47.0	4,800	50.0	4,900	80
85	38.5	4,400	42.5	4,400	46.0	4,400	85
90	34.5	4,000	38.0	4,000	41.0	4,000	90
95	29.0	3,600	33.0	3,600	35.5	3,600	95
100	23.0	3,400	26.5	3,300	28.0	3,300	100
105	14.0	3,200	17.0	3,100			105
Min. Boom Angle/Cap.	0°	3,200	0°	3,100	0°	3,300	Min. Boom Angle/Cap.

BOOM MODE "B"
6000# CTWT

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

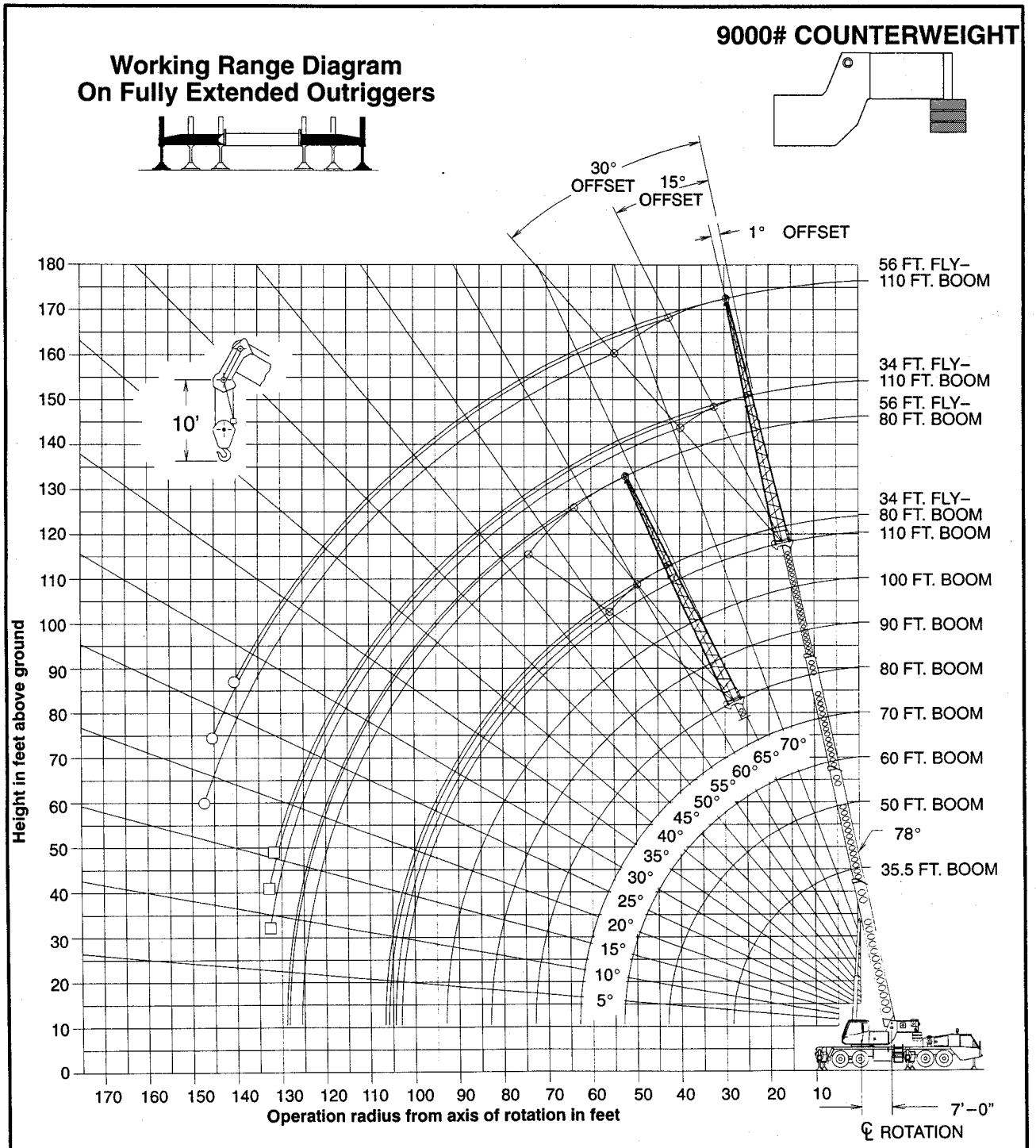
80 Ft. Main Boom + 56 Ft. Offset Fly

Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
30	77.0	10,700					30
35	75.5	10,700					35
40	73.0	9,900	78.0*	7,300			40
45	71.0	9,100	76.5	6,800			45
50	68.5	8,000	74.0	6,400			50
55	66.0	7,000	72.0	6,000	77.0	4,900	55
60	64.0	6,200	69.5	5,700	75.0	4,700	60
65	61.5	5,600	67.0	5,400	72.5	4,500	65
70	59.0	5,000	64.5	5,100	70.0	4,300	70
75	56.0	4,400	62.0	4,500	67.0	4,100	75
80	53.5	4,000	59.0	4,100	64.5	4,000	80
85	50.5	3,600	56.5	3,600	61.5	3,700	85
90	48.0	3,200	53.5	3,200	58.5	3,300	90
95	44.5	2,900	50.5	2,900	55.0	2,900	95
100	41.5	2,600	47.0	2,600	51.5	2,500	100
105	38.0	2,300	43.5	2,300	47.5	2,200	105
110	34.0	2,100	39.5	2,000	43.5	1,900	110
115	30.0	1,900	35.0	1,800	38.5	1,600	115
120	25.0	1,800	30.0	1,600	32.0	1,400	120
125	18.5	1,700	23.0	1,500	21.5	1,400	125
Min. Boom Angle/Cap.	0°	1,700	0°	1,500	0°	1,400	Min. Boom Angle/Cap.

NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.

GENERAL INFORMATION ONLY

WORKING RANGE DIAGRAM



○ Denotes Main Boom + 56' Fly–Boom Mode "A"
□ Denotes Main Boom + 34' Fly–Boom Mode "A"

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 As Shown In The Above Chart For The Boom Lengths Shown. Loss Of Stability Will Occur Causing A Tipping Condition.

GENERAL INFORMATION ONLY

Fully Extended Outriggers – 9,000# Counterweight

BOOM MODE "A"
9000# CTWT

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

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. 360°	35.5 Ft. Over Rear	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. 360°	50 Ft. Over Rear	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. 360°	60 Ft. Over Rear	Load Radius In Feet
10	65.5	130,000	130,000	73.5	75,300	75,300				10
12	62.0	110,000	110,000	71.0	75,300	75,300	74.5	74,900	74,900	12
15	56.0	96,300	96,300	67.0	75,300	75,300	71.5	74,900	74,900	15
20	45.0	72,800	72,800	60.5	72,600	72,600	66.5	70,600	70,600	20
25	30.0	52,000	52,000	53.5	52,000	52,000	61.0	52,000	52,000	25
30				45.5	37,800	37,800	55.0	37,700	37,700	30
35	See Operation Note 20.			36.0	28,900	28,900	48.5	28,900	28,900	35
40				23.5	22,900	22,900	41.5	22,900	22,900	40
45							33.0	18,600	18,600	45
50							21.0	15,300	15,300	50
Min. Boom Angle/ Cap.	0°	29,300	29,300	0°	16,100	16,100	0°	11,500	11,500	Min. Boom Angle/ Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. 360°	70 Ft. Over Rear	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. 360°	80 Ft. Over Rear	Load Radius In Feet
12	77.0	57,800	57,800				12
15	74.5	52,600	52,600	77.0	42,800	42,800	15
20	70.5	45,200	45,200	73.5	37,500	37,500	20
25	66.0	39,700	39,700	69.5	32,700	32,700	25
30	61.0	35,200	35,200	65.5	29,200	29,200	30
35	56.0	28,900	28,900	61.5	26,200	26,200	35
40	51.0	22,900	22,900	57.0	22,900	22,900	40
45	45.0	18,600	18,600	52.5	18,600	18,600	45
50	38.5	15,300	15,300	47.5	15,300	15,300	50
55	30.5	12,800	12,800	42.0	12,800	12,800	55
60	19.5	10,700	10,700	36.0	10,700	10,700	60
65				28.5	8,900	9,000	65
70				18.5	7,400	7,600	70
Min. Boom Angle/Cap.	0°	8,400	8,400	0°	6,200	6,200	Min. Boom Angle/Cap.

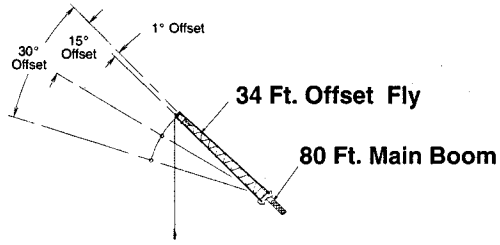
BOOM MODE "A"
9000# CTWT

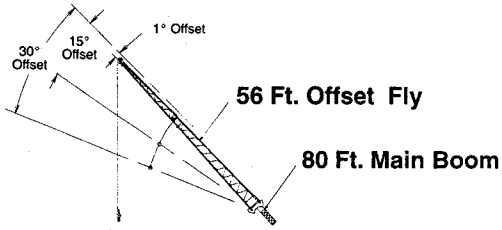
Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Fully Extended Outriggers
See Set Up Note 2.

90 Ft. To 110 Ft. Main Boom

Load Radius In Feet	90 Ft. Loaded Boom Angle (Deg.)	90 Ft. 360°	90 Ft. Over Rear	100 Ft. Loaded Boom Angle (Deg.)	100 Ft. 360°	100 Ft. Over Rear	110 Ft. Loaded Boom Angle (Deg.)	110 Ft. 360°	110 Ft. Over Rear	Load Radius In Feet
20	75.5	28,300	28,300	77.0	28,000	28,000				20
25	72.0	28,300	28,300	74.5	28,000	28,000	76.0	19,600	19,600	25
30	68.5	24,800	24,800	71.5	24,100	24,100	73.5	19,600	19,600	30
35	65.0	21,200	21,200	68.5	20,700	20,700	71.0	19,600	19,600	35
40	61.5	18,400	18,400	65.0	17,900	17,900	68.0	17,300	17,300	40
45	57.5	16,300	16,300	61.5	15,900	15,900	65.0	15,600	15,600	45
50	53.5	14,300	14,300	58.5	14,000	14,000	62.0	13,800	13,800	50
55	49.5	12,700	12,700	54.5	12,400	12,400	59.0	12,200	12,200	55
60	45.0	11,100	11,100	51.0	11,000	11,000	55.5	10,900	10,900	60
65	40.0	9,300	9,400	47.0	9,900	9,900	52.5	9,700	9,700	65
70	34.0	7,800	7,900	42.5	8,500	8,600	48.5	8,700	8,700	70
75	27.0	6,600	6,700	38.0	7,200	7,400	45.0	7,800	7,900	75
80	17.5	5,500	5,700	32.5	6,200	6,300	41.0	6,700	6,800	80
85				26.0	5,200	5,400	36.5	5,700	5,900	85
90				17.0	4,400	4,600	31.0	4,900	5,100	90
95							25.0	4,200	4,400	95
100							16.5	3,600	3,800	100
Min. Boom Angle/ Cap.	0°	4,900	5,100	0°	4,000	4,100	0°	3,100	3,100	Min. Boom Angle/ Cap.

GENERAL INFORMATION ONLY





BOOM MODE "A"
9000# CTWT

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

80 Ft. Main Boom + 34 Ft. Offset Fly

Load Radius In Feet	1° Offset Loaded Boom Angle (Deg.)	1° Offset 360°	15° Offset Loaded Boom Angle (Deg.)	15° Offset 360°	30° Offset Loaded Boom Angle (Deg.)	30° Offset 360°	Load Radius In Feet
25	76.0	20,400					25
30	73.5	18,700	77.5	14,000			30
35	71.0	17,300	75.0	12,900			35
40	68.5	16,100	72.0	12,000	76.0	9,400	40
45	65.5	14,900	69.5	11,200	73.0	8,900	45
50	63.0	13,500	66.5	10,500	70.5	8,500	50
55	60.0	12,400	63.5	9,800	67.5	8,200	55
60	57.0	11,500	60.5	9,300	64.0	7,800	60
65	54.0	10,700	57.5	8,800	61.0	7,600	65
70	50.5	9,500	54.5	8,400	57.5	7,300	70
75	47.0	8,300	51.0	8,000	54.0	7,100	75
80	43.0	7,100	47.0	7,600	50.5	6,900	80
85	39.0	6,200	43.0	6,600	46.0	6,700	85
90	34.5	5,400	38.5	5,700	41.0	6,000	90
95	29.0	4,600	33.0	4,900	35.5	5,100	95
100	23.0	4,000	26.5	4,200	28.0	4,300	100
105	13.5	3,400	17.0	3,500			105
Min. Boom Angle/Cap.	0°	2,600	0°	2,700	0°	2,900	Min. Boom Angle/Cap.

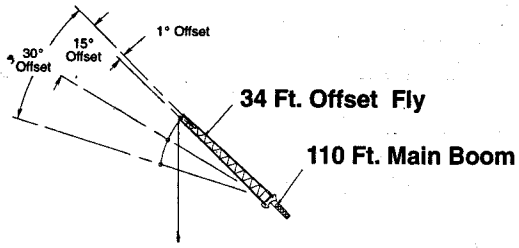
BOOM MODE "A"
9000# CTWT

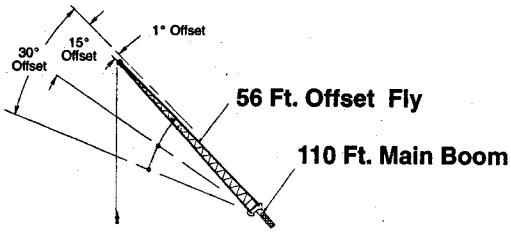
Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Fully Extended Outriggers
See Set Up Note 2.

80 Ft. Main Boom + 56 Ft. Offset Fly

Load Radius In Feet	1° Offset Loaded Boom Angle (Deg.)	1° Offset 360°	15° Offset Loaded Boom Angle (Deg.)	15° Offset 360°	30° Offset Loaded Boom Angle (Deg.)	30° Offset 360°	Load Radius In Feet
30	77.0	12,300					30
35	75.0	11,000					35
40	72.5	9,900	78.0*	7,300			40
45	70.5	9,100	76.0	6,800			45
50	68.0	8,300	73.5	6,400			50
55	66.0	7,700	71.5	6,000	77.0	4,900	55
60	63.5	7,100	69.0	5,700	74.5	4,700	60
65	61.0	6,600	66.5	5,400	72.0	4,500	65
70	59.0	6,200	64.0	5,100	69.5	4,300	70
75	56.5	5,800	61.5	4,800	67.0	4,100	75
80	53.5	5,400	59.0	4,600	64.0	4,000	80
85	51.0	5,100	56.5	4,400	61.5	3,900	85
90	48.0	4,800	53.5	4,200	58.5	3,700	90
95	45.0	4,600	50.5	4,000	55.0	3,600	95
100	42.0	4,300	47.0	3,900	51.5	3,500	100
105	38.5	4,100	43.5	3,700	48.0	3,500	105
110	34.5	3,700	40.0	3,600	43.5	3,400	110
115	30.0	3,200	35.5	3,500	39.0	3,400	115
120	25.0	2,800	30.0	3,000	32.5	3,100	120
125	18.0	2,400	22.5	2,500	21.5	2,500	125
Min. Boom Angle/Cap.	0°	1,500	0°	1,600	0°	1,900	Min. Boom Angle/Cap.

NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.





BOOM MODE "A" OR "B"
9000# CTWT

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

110 Ft. Main Boom + 34 Ft. Offset Fly

Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
30	77.5	10,000					30
35	75.5	10,000					35
40	74.0	10,000	77.0	9,500			40
45	72.0	9,400	75.0	8,600	78.0°	7,900	45
50	69.5	8,300	73.0	7,800	76.0	7,300	50
55	67.5	7,400	71.0	7,200	74.0	6,700	55
60	65.0	6,600	68.5	6,500	71.5	6,200	60
65	63.0	5,900	66.0	5,800	69.5	5,800	65
70	60.5	5,300	64.0	5,300	67.0	5,200	70
75	58.0	4,800	61.5	4,700	64.5	4,700	75
80	56.0	4,300	59.0	4,300	62.0	4,300	80
85	53.5	3,900	56.5	3,900	59.5	3,800	85
90	50.5	3,500	54.0	3,500	56.5	3,500	90
95	48.0	3,200	51.0	3,100	53.5	3,100	95
100	45.0	2,900	48.0	2,800	50.5	2,800	100
105	42.0	2,600	45.0	2,600	47.5	2,500	105
110	38.5	2,400	42.0	2,300	44.0	2,300	110
115	35.0	2,100	38.0	2,100	40.0	2,000	115
120	31.5	1,900	34.5	1,900	36.0	1,800	120
125	27.0	1,800	29.5	1,700	31.0	1,700	125
130	21.5	1,700	24.0	1,600	24.5	1,500	130

⚠ WARNING

Do Not Lower 34 Ft. Offset Fly In Working Position Below 16 Degrees Unless Main Boom Length Is 103 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

BOOM MODE "A" OR "B"
9000# CTWT

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

110 Ft. Main Boom + 56 Ft. Offset Fly

Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
40	76.5	6,400					40
45	75.0	6,400					45
50	73.5	6,400	78.0°	6,100			50
55	71.5	6,100	76.5	5,500			55
60	70.0	5,600	74.5	5,100			60
65	68.0	5,100	72.5	4,600	77.0	4,300	65
70	66.0	4,700	71.0	4,300	75.5	3,900	70
75	64.0	4,300	69.0	3,900	73.5	3,700	75
80	62.0	4,000	67.0	3,700	71.5	3,400	80
85	60.0	3,700	65.0	3,400	69.0	3,200	85
90	58.0	3,400	63.0	3,200	67.0	2,900	90
95	56.0	3,200	60.5	2,900	65.0	2,700	95
100	54.0	2,900	58.5	2,700	62.5	2,600	100
105	51.5	2,700	56.5	2,600	60.5	2,400	105
110	49.5	2,400	54.0	2,300	58.0	2,200	110
115	47.0	2,200	51.5	2,100	55.0	1,900	115
120	44.5	1,900	49.0	1,800	52.5	1,700	120
125	41.5	1,700	46.0	1,600	49.5	1,400	125
130	38.5	1,500	43.0	1,400	46.5	1,200	130
135	35.5	1,300	40.0	1,200			135

⚠ WARNING

Do Not Lower 56 Ft. Offset Fly In Working Position Below 28 Degrees Unless Main Boom Length Is 89 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

BOOM MODE "B"
9000# CTWT

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

36 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft.			50 Ft.			60 Ft.			Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	
10	65.5	130,000	130,000	73.5	75,300	75,300				10
12	62.0	110,000	110,000	71.0	75,300	75,300	74.5	45,300	45,300	12
15	56.0	96,300	96,300	67.5	75,300	75,300	71.5	38,900	38,900	15
20	45.0	72,800	72,800	60.5	66,700	66,700	66.0	31,700	31,700	20
25	30.0	52,000	52,000	53.5	53,300	53,300	60.5	26,300	26,300	25
30				45.5	38,800	38,800	55.0	22,500	22,500	30
35	See Operation Note 20.			36.0	29,900	29,900	48.5	19,500	19,500	35
40				23.5	23,900	23,900	41.5	17,200	17,200	40
45							33.0	15,900	15,900	45
50							21.0	14,500	14,500	50
Min. Boom Angle/ Cap.	0°	29,300	29,300	0°	15,100	15,100	0°	10,700	10,700	Min. Boom Angle/ Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft.			80 Ft.			Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	
12	77.0	28,000	28,000				12
15	74.5	28,000	28,000	76.5	28,100	28,100	15
20	70.0	26,900	26,900	73.0	25,000	25,000	20
25	65.5	22,200	22,200	69.0	20,500	20,500	25
30	60.5	18,700	18,700	65.0	17,200	17,200	30
35	56.0	16,500	16,500	61.0	15,100	15,100	35
40	50.5	14,300	14,300	56.5	13,100	13,100	40
45	44.5	12,600	12,600	52.0	11,500	11,500	45
50	38.0	11,100	11,100	47.0	10,100	10,100	50
55	30.5	9,900	9,900	42.0	9,000	9,000	55
60	19.5	8,900	8,900	35.5	8,000	8,000	60
65				28.5	7,200	7,200	65
70				18.5	6,500	6,500	70
Min. Boom Angle/ Cap.	0°	8,300	8,300	0°	6,100	6,100	Min. Boom Angle/ Cap.

BOOM MODE "B"
9000# CTWT

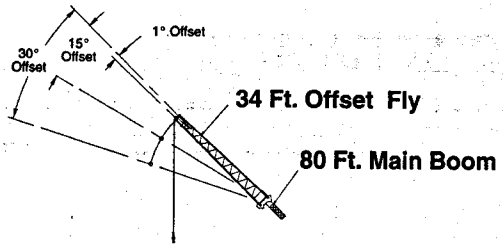
Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Fully Extended Outriggers
See Set Up Note 2.

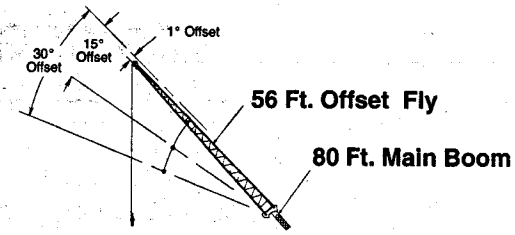
90 Ft. To 110 Ft. Main Boom

Load Radius In Feet	90 Ft.			100 Ft.			110 Ft.			Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	
20	75.0	25,400	25,400	77.0	27,600	27,600				20
25	72.0	20,900	20,900	74.0	22,900	22,900	76.0	19,600	19,600	25
30	68.5	17,700	17,700	71.0	19,500	19,500	73.5	19,600	19,600	30
35	65.0	15,500	15,500	68.0	16,800	16,800	70.5	19,600	19,600	35
40	61.0	13,500	13,500	65.0	15,000	15,000	68.0	17,300	17,300	40
45	57.5	11,800	11,800	61.5	13,200	13,200	65.0	15,600	15,600	45
50	53.5	10,500	10,500	58.0	11,800	11,800	62.0	13,800	13,800	50
55	49.0	9,300	9,300	54.5	10,600	10,600	59.0	12,200	12,200	55
60	44.5	8,300	8,300	50.5	9,500	9,500	55.5	10,900	10,900	60
65	39.5	7,500	7,500	46.5	8,600	8,600	52.5	9,700	9,700	65
70	34.0	6,800	6,800	42.5	7,800	7,800	48.5	8,700	8,700	70
75	27.0	6,200	6,200	37.5	7,200	7,200	45.0	7,800	7,900	75
80	17.5	5,600	5,600	32.5	6,600	6,600	41.0	6,700	6,800	80
85				26.0	6,000	6,000	36.5	5,700	5,900	85
90				17.0	5,400	5,500	31.0	4,900	5,100	90
95							25.0	4,200	4,400	95
100							16.5	3,600	3,800	100
Min. Boom Angle/ Cap.	0°	5,300	5,300	0°	4,300	4,300	0°	3,100	3,100	Min. Boom Angle/ Cap.

GENERAL INFORMATION ONLY

NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.





BOOM MODE "B"
9000# CTWT

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

80 Ft. Main Boom + 34 Ft. Offset Fly

Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
25	76.0	17,500					25
30	73.5	15,800	78.0°	14,000			30
35	71.0	13,500	75.0	12,900			35
40	68.0	11,800	72.5	12,000	76.5	9,400	40
45	65.5	10,300	69.5	10,500	73.5	8,900	45
50	62.5	9,100	67.0	9,300	70.5	8,500	50
55	59.5	8,100	64.0	8,200	67.5	8,200	55
60	56.5	7,200	60.5	7,300	64.5	7,500	60
65	53.5	6,500	57.5	6,600	61.0	6,700	65
70	50.0	5,800	54.0	5,900	57.5	6,000	70
75	46.5	5,300	50.5	5,300	54.0	5,400	75
80	43.0	4,800	47.0	4,800	50.0	4,900	80
85	38.5	4,400	42.5	4,400	46.0	4,400	85
90	34.5	4,000	38.0	4,000	41.0	4,000	90
95	29.0	3,600	33.0	3,600	35.5	3,600	95
100	23.0	3,400	26.5	3,300	28.0	3,300	100
105	14.0	3,200	17.0	3,100			105
Min. Boom Angle/Cap.	0°	3,200	0°	3,100	0°	3,300	Min. Boom Angle/Cap.

BOOM MODE "B"
9000# CTWT

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

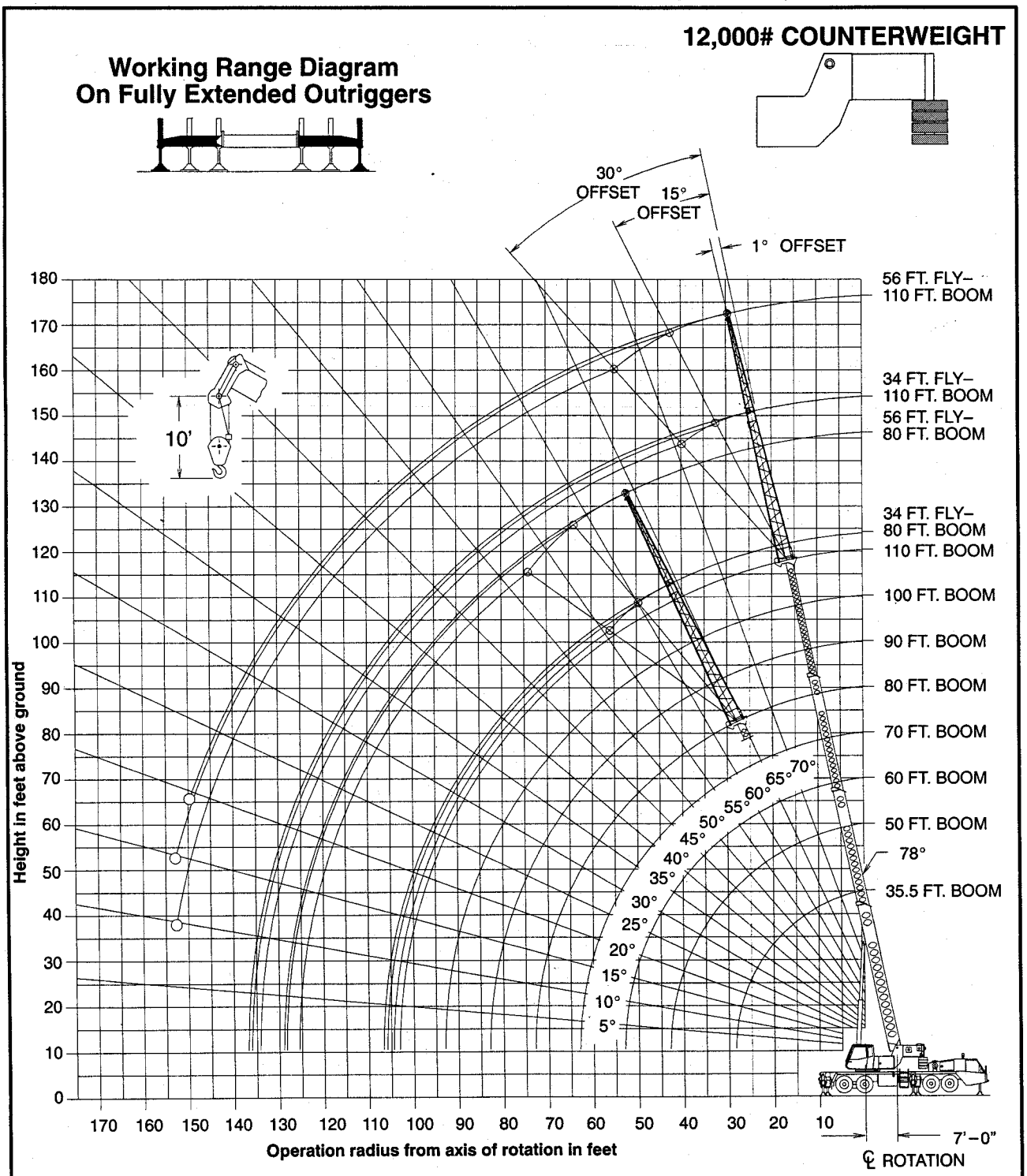
80 Ft. Main Boom + 56 Ft. Offset Fly

Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
30	77.0	10,700					30
35	75.5	10,700					35
40	73.0	9,900	78.0°	7,300			40
45	71.0	9,100	76.5	6,800			45
50	68.5	8,000	74.0	6,400			50
55	66.0	7,000	72.0	6,000	77.0	4,900	55
60	64.0	6,200	69.5	5,700	75.0	4,700	60
65	61.5	5,600	67.0	5,400	72.5	4,500	65
70	59.0	5,000	64.5	5,100	70.0	4,300	70
75	56.0	4,400	62.0	4,500	67.0	4,100	75
80	53.5	4,000	59.0	4,100	64.5	4,000	80
85	50.5	3,600	56.5	3,600	61.5	3,700	85
90	48.0	3,200	53.5	3,200	58.5	3,300	90
95	44.5	2,900	50.5	2,900	55.0	2,900	95
100	41.5	2,600	47.0	2,600	51.5	2,500	100
105	38.0	2,300	43.5	2,300	47.5	2,200	105
110	34.0	2,100	39.5	2,000	43.5	1,900	110
115	30.0	1,900	35.0	1,800	38.5	1,600	115
120	25.0	1,800	30.0	1,600	32.0	1,400	120
125	18.5	1,700	23.0	1,500	21.5	1,400	125
Min. Boom Angle/Cap.	0°	1,700	0°	1,500	0°	1,400	Min. Boom Angle/Cap.

NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.

GENERAL INFORMATION ONLY

WORKING RANGE DIAGRAM



○ Denotes Main Boom + 56' Fly–Boom Mode "A"

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 As Shown In The Above Chart For The Boom Lengths Shown. Loss Of Stability Will Occur Causing A Tipping Condition.

GENERAL INFORMATION ONLY

Fully Extended Outriggers – 12,000# Counterweight

BOOM MODE "A"
12000# CTWT

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

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. 360°	35.5 Ft. Over Rear	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. 360°	50 Ft. Over Rear	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. 360°	60 Ft. Over Rear	Load Radius In Feet
10	65.5	130,000	130,000	73.5	75,300	75,300				10
12	62.0	110,000	110,000	71.0	75,300	75,300	74.5	74,900	74,900	12
15	56.0	96,300	96,300	67.0	75,300	75,300	71.5	74,900	74,900	15
20	45.0	74,700	74,700	60.5	74,500	74,500	66.5	70,600	70,600	20
25	30.0	55,500	55,500	53.5	55,500	55,500	61.0	55,500	55,500	25
30				45.5	40,400	40,400	55.0	40,300	40,300	30
35	See Operation Note 20.			36.0	31,000	31,000	48.5	31,000	31,000	35
40				23.5	24,700	24,700	41.5	24,700	24,700	40
45							33.0	20,100	20,100	45
50							21.0	16,600	16,600	50
Min. Boom Angle/ Cap.	0°	29,300	29,300	0°	16,100	16,100	0°	11,500	11,500	Min. Boom Angle/ Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. 360°	70 Ft. Over Rear	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. 360°	80 Ft. Over Rear	Load Radius In Feet
12	77.0	57,800	57,800				12
15	74.5	52,600	52,600	77.0	42,800	42,800	15
20	70.5	45,200	45,200	73.5	37,500	37,500	20
25	66.0	39,700	39,700	69.5	32,700	32,700	25
30	61.0	35,200	35,200	65.5	29,200	29,200	30
35	56.0	31,000	31,000	61.5	26,200	26,200	35
40	51.0	24,700	24,700	57.0	23,700	23,700	40
45	45.0	20,100	20,100	52.5	20,100	20,100	45
50	38.5	16,700	16,700	47.5	16,700	16,700	50
55	30.5	13,900	13,900	42.0	13,900	13,900	55
60	19.5	11,800	11,800	36.0	11,800	11,800	60
65				28.5	10,000	10,000	65
70				18.5	8,500	8,500	70
Min. Boom Angle/Cap.	0°	8,400	8,400	0°	6,200	6,200	Min. Boom Angle/Cap.

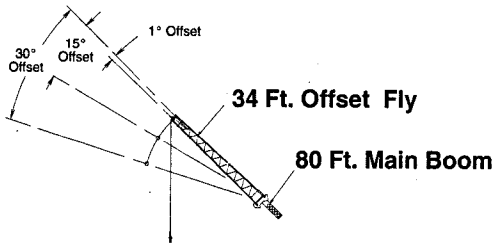
BOOM MODE "A"
12000# CTWT

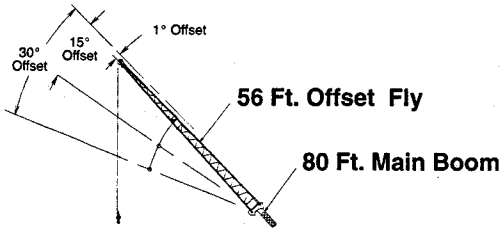
Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Fully Extended Outriggers
See Set Up Note 2.

90 Ft. To 110 Ft. Main Boom

Load Radius In Feet	90 Ft. Loaded Boom Angle (Deg.)	90 Ft. 360°	90 Ft. Over Rear	100 Ft. Loaded Boom Angle (Deg.)	100 Ft. 360°	100 Ft. Over Rear	110 Ft. Loaded Boom Angle (Deg.)	110 Ft. 360°	110 Ft. Over Rear	Load Radius In Feet
20	75.5	28,300	28,300	77.0	28,000	28,000				20
25	72.0	28,300	28,300	74.5	28,000	28,000	76.0	19,600	19,600	25
30	68.5	24,800	24,800	71.5	24,100	24,100	73.5	19,600	19,600	30
35	65.0	21,200	21,200	68.5	20,700	20,700	71.0	19,600	19,600	35
40	61.5	18,400	18,400	65.0	17,900	17,900	68.0	17,300	17,300	40
45	57.5	16,300	16,300	61.5	15,900	15,900	65.0	15,600	15,600	45
50	53.5	14,300	14,300	58.5	14,000	14,000	62.0	13,800	13,800	50
55	49.5	12,700	12,700	54.5	12,400	12,400	59.0	12,200	12,200	55
60	45.0	11,300	11,300	51.0	11,000	11,000	55.5	10,900	10,900	60
65	40.0	10,100	10,100	47.0	9,900	9,900	52.5	9,700	9,700	65
70	34.0	8,900	8,900	42.5	8,900	8,900	48.5	8,700	8,700	70
75	27.5	7,600	7,600	38.0	8,000	8,000	45.0	7,900	7,900	75
80	17.5	6,400	6,500	32.5	7,100	7,100	41.0	7,100	7,100	80
85				26.0	6,100	6,100	36.5	6,400	6,400	85
90				17.0	5,200	5,300	31.5	5,700	5,800	90
95							25.0	5,000	5,000	95
100							16.5	4,300	4,400	100
Min. Boom Angle/ Cap.	0°	5,400	5,400	0°	4,100	4,100	0°	3,100	3,100	Min. Boom Angle/ Cap.

GENERAL INFORMATION ONLY





BOOM MODE "A"
12000# CTWT

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

80 Ft. Main Boom + 34 Ft. Offset Fly

Load Radius In Feet	1° Offset Loaded Boom Angle (Deg.)	1° Offset 360°	15° Offset Loaded Boom Angle (Deg.)	15° Offset 360°	30° Offset Loaded Boom Angle (Deg.)	30° Offset 360°	Load Radius In Feet
25	76.0	20,400					25
30	73.5	18,700	77.5	14,000			30
35	71.0	17,300	75.0	12,900			35
40	68.5	16,100	72.0	12,000	76.0	9,400	40
45	65.5	14,900	69.5	11,200	73.0	8,900	45
50	63.0	13,500	66.5	10,500	70.5	8,500	50
55	60.0	12,400	63.5	9,800	67.5	8,200	55
60	57.0	11,500	60.5	9,300	64.0	7,800	60
65	54.0	10,700	57.5	8,800	61.0	7,600	65
70	50.5	9,900	54.5	8,400	57.5	7,300	70
75	47.0	9,100	51.0	8,000	54.0	7,100	75
80	43.0	8,000	47.0	7,600	50.5	6,900	80
85	39.0	7,000	43.0	7,300	46.0	6,700	85
90	34.5	6,200	38.5	6,500	41.5	6,600	90
95	29.5	5,400	33.0	5,700	35.5	5,800	95
100	23.0	4,700	27.0	4,900	28.0	5,000	100
105	14.0	4,100	17.0	4,200			105
Min. Boom Angle/Cap.	0°	2,600	0°	2,700	0°	2,900	Min. Boom Angle/Cap.

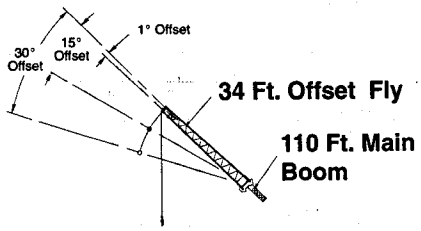
BOOM MODE "A"
12000# CTWT

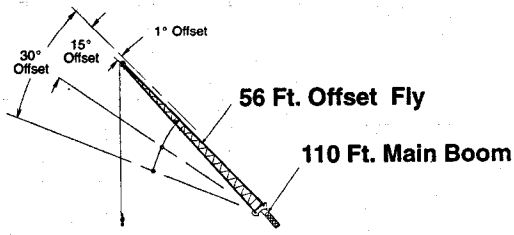
Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Fully Extended Outriggers
See Set Up Note 2.

80 Ft. Main Boom + 56 Ft. Offset Fly

Load Radius In Feet	1° Offset Loaded Boom Angle (Deg.)	1° Offset 360°	15° Offset Loaded Boom Angle (Deg.)	15° Offset 360°	30° Offset Loaded Boom Angle (Deg.)	30° Offset 360°	Load Radius In Feet
30	77.0	12,300					30
35	75.0	11,000					35
40	72.5	9,900	78.0°	7,300			40
45	70.5	9,100	76.0	6,800			45
50	68.0	8,300	73.5	6,400			50
55	66.0	7,700	71.5	6,000	77.0	4,900	55
60	63.5	7,100	69.0	5,700	74.5	4,700	60
65	61.0	6,600	66.5	5,400	72.0	4,500	65
70	59.0	6,200	64.0	5,100	69.5	4,300	70
75	56.5	5,800	61.5	4,800	67.0	4,100	75
80	53.5	5,400	59.0	4,600	64.0	4,000	80
85	51.0	5,100	56.5	4,400	61.5	3,900	85
90	48.0	4,800	53.5	4,200	58.5	3,700	90
95	45.0	4,600	50.5	4,000	55.0	3,600	95
100	42.0	4,300	47.0	3,900	51.5	3,500	100
105	38.5	4,100	43.5	3,700	48.0	3,500	105
110	34.5	3,900	40.0	3,600	43.5	3,400	110
115	30.0	3,700	35.5	3,500	39.0	3,400	115
120	25.0	3,300	30.0	3,400	32.5	3,400	120
125	18.0	2,900	23.0	3,100	21.5	3,000	125
Min. Boom Angle/Cap.	0°	1,500	0°	1,600	0°	1,900	Min. Boom Angle/Cap.

NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.





BOOM MODE "A" OR "B"
12000# CTWT

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

110 Ft. Main Boom + 34 Ft. Offset Fly

Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
30	77.5	10,000					30
35	75.5	10,000					35
40	74.0	10,000	77.0	9,500			40
45	72.0	9,400	75.0	8,600	78.0°	7,900	45
50	69.5	8,300	73.0	7,800	76.0	7,300	50
55	67.5	7,400	71.0	7,200	74.0	6,700	55
60	65.0	6,600	68.5	6,500	71.5	6,200	60
65	63.0	5,900	66.0	5,800	69.5	5,800	65
70	60.5	5,300	64.0	5,300	67.0	5,200	70
75	58.0	4,800	61.5	4,700	64.5	4,700	75
80	56.0	4,300	59.0	4,300	62.0	4,300	80
85	53.5	3,900	56.5	3,900	59.5	3,800	85
90	50.5	3,500	54.0	3,500	56.5	3,500	90
95	48.0	3,200	51.0	3,100	53.5	3,100	95
100	45.0	2,900	48.0	2,800	50.5	2,800	100
105	42.0	2,600	45.0	2,600	47.5	2,500	105
110	38.5	2,400	42.0	2,300	44.0	2,300	110
115	35.0	2,100	38.0	2,100	40.0	2,000	115
120	31.5	1,900	34.5	1,900	36.0	1,800	120
125	27.0	1,800	29.5	1,700	31.0	1,700	125
130	21.5	1,700	24.0	1,600	24.5	1,500	130
135	13.5	1,600	15.5	1,500			135
Min. Boom Angle/Cap.	0°	800	0°	900	0°	900	Min. Boom Angle/Cap.

BOOM MODE "A" OR "B"
12000# CTWT

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

110 Ft. Main Boom + 56 Ft. Offset Fly

Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
40	76.5	6,400					40
45	75.0	6,400					45
50	73.5	6,400	78.0°	6,100			50
55	71.5	6,100	76.5	5,500			55
60	70.0	5,600	74.5	5,100			60
65	68.0	5,100	72.5	4,600	77.0	4,300	65
70	66.0	4,700	71.0	4,300	75.5	3,900	70
75	64.0	4,300	69.0	3,900	73.5	3,700	75
80	62.0	4,000	67.0	3,700	71.5	3,400	80
85	60.0	3,700	65.0	3,400	69.0	3,200	85
90	58.0	3,400	63.0	3,200	67.0	2,900	90
95	56.0	3,200	60.5	2,900	65.0	2,700	95
100	54.0	2,900	58.5	2,700	62.5	2,600	100
105	51.5	2,700	56.5	2,600	60.5	2,400	105
110	49.5	2,400	54.0	2,300	58.0	2,200	110
115	47.0	2,200	51.5	2,100	55.0	1,900	115
120	44.5	1,900	49.0	1,800	52.5	1,700	120
125	41.5	1,700	46.0	1,600	49.5	1,400	125
130	38.5	1,500	43.0	1,400	46.5	1,200	130
135	35.5	1,300	40.0	1,200			135

⚠ WARNING

Do Not Lower 56 Ft. Offset Fly In Working Position Below 20 Degrees Unless Main Boom Length Is 99 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

BOOM MODE "B"
12000# CTWT

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

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft.			50 Ft.			60 Ft.			Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	
10	65.5	130,000	130,000	73.5	75,300	75,300				10
12	62.0	110,000	110,000	71.0	75,300	75,300	74.5	45,300	45,300	12
15	56.0	96,300	96,300	67.5	75,300	75,300	71.5	38,900	38,900	15
20	45.0	74,700	74,700	60.5	66,700	66,700	66.0	31,700	31,700	20
25	30.0	55,500	55,500	53.5	55,800	55,800	60.5	26,300	26,300	25
30				45.5	41,500	41,500	55.0	22,500	22,500	30
35	See Operation Note 20.			36.0	32,100	32,100	48.5	19,500	19,500	35
40				23.5	25,700	25,700	41.5	17,200	17,200	40
45							33.0	15,900	15,900	45
50							21.0	14,500	14,500	50
Min. Boom Angle/ Cap.	0°	29,300	29,300	0°	15,100	15,100	0°	10,700	10,700	Min. Boom Angle/ Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft.			80 Ft.			Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	
12	77.0	28,000	28,000				12
15	74.5	28,000	28,000	76.5	28,100	28,100	15
20	70.0	26,900	26,900	73.0	25,000	25,000	20
25	65.5	22,200	22,200	69.0	20,500	20,500	25
30	60.5	18,700	18,700	65.0	17,200	17,200	30
35	56.0	16,500	16,500	61.0	15,100	15,100	35
40	50.5	14,300	14,300	56.5	13,100	13,100	40
45	44.5	12,600	12,600	52.0	11,500	11,500	45
50	38.0	11,100	11,100	47.0	10,100	10,100	50
55	30.5	9,900	9,900	42.0	9,000	9,000	55
60	19.5	8,900	8,900	35.5	8,000	8,000	60
65				28.5	7,200	7,200	65
70				18.5	6,500	6,500	70
Min. Boom Angle/ Cap.	0°	8,300	8,300	0°	6,100	6,100	Min. Boom Angle/ Cap.

BOOM MODE "B"
12000# CTWT

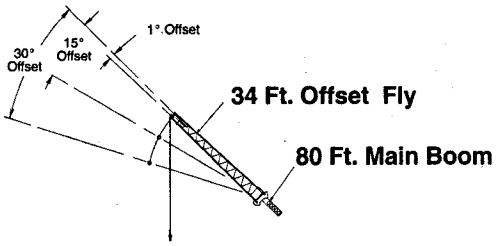
Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Fully Extended Outriggers
See Set Up Note 2.

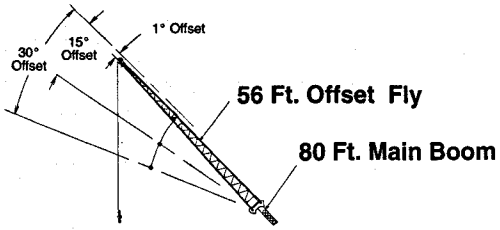
90 Ft. To 110 Ft. Main Boom

Load Radius In Feet	90 Ft.			100 Ft.			110 Ft.			Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	Loaded Boom Angle (Deg.)	360°	Over Rear	
20	75.0	25,400	25,400	77.0	27,600	27,600				20
25	72.0	20,900	20,900	74.0	22,900	22,900	76.0	19,600	19,600	25
30	68.5	17,700	17,700	71.0	19,500	19,500	73.5	19,600	19,600	30
35	65.0	15,500	15,500	68.0	16,800	16,800	70.5	19,600	19,600	35
40	61.0	13,500	13,500	65.0	15,000	15,000	68.0	17,300	17,300	40
45	57.5	11,800	11,800	61.5	13,200	13,200	65.0	15,600	15,600	45
50	53.5	10,500	10,500	58.0	11,800	11,800	62.0	13,800	13,800	50
55	49.0	9,300	9,300	54.5	10,600	10,600	59.0	12,200	12,200	55
60	44.5	8,300	8,300	50.5	9,500	9,500	55.5	10,900	10,900	60
65	39.5	7,500	7,500	46.5	8,600	8,600	52.5	9,700	9,700	65
70	34.0	6,800	6,800	42.5	7,800	7,800	48.5	8,700	8,700	70
75	27.0	6,200	6,200	37.5	7,200	7,200	45.0	7,900	7,900	75
80	17.5	5,600	5,600	32.5	6,600	6,600	41.0	7,100	7,100	80
85				26.0	6,000	6,000	36.5	6,400	6,400	85
90				17.0	5,500	5,500	31.5	5,700	5,800	90
95							25.0	5,000	5,000	95
100							16.5	4,300	4,400	100
Min. Boom Angle/ Cap.	0°	5,300	5,300	0°	4,300	4,300	0°	3,100	3,100	Min. Boom Angle/ Cap.

GENERAL INFORMATION ONLY

NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.





BOOM MODE "B"
12000# CTWT

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

80 Ft. Main Boom + 34 Ft. Offset Fly

Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
25	76.0	17,500					25
30	73.5	15,800	78.0*	14,000			30
35	71.0	13,500	75.0	12,900			35
40	68.0	11,800	72.5	12,000	76.5	9,400	40
45	65.5	10,300	69.5	10,500	73.5	8,900	45
50	62.5	9,100	67.0	9,300	70.5	8,500	50
55	59.5	8,100	64.0	8,200	67.5	8,200	55
60	56.5	7,200	60.5	7,300	64.5	7,500	60
65	53.5	6,500	57.5	6,600	61.0	6,700	65
70	50.0	5,800	54.0	5,900	57.5	6,000	70
75	46.5	5,300	50.5	5,300	54.0	5,400	75
80	43.0	4,800	47.0	4,800	50.0	4,900	80
85	38.5	4,400	42.5	4,400	46.0	4,400	85
90	34.5	4,000	38.0	4,000	41.0	4,000	90
95	29.0	3,600	33.0	3,600	35.5	3,600	95
100	23.0	3,400	26.5	3,300	28.0	3,300	100
105	14.0	3,200	17.0	3,100			105
Min. Boom Angle/Cap.	0°	3,200	0°	3,100	0°	3,300	Min. Boom Angle/Cap.

BOOM MODE "B"
12000# CTWT

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

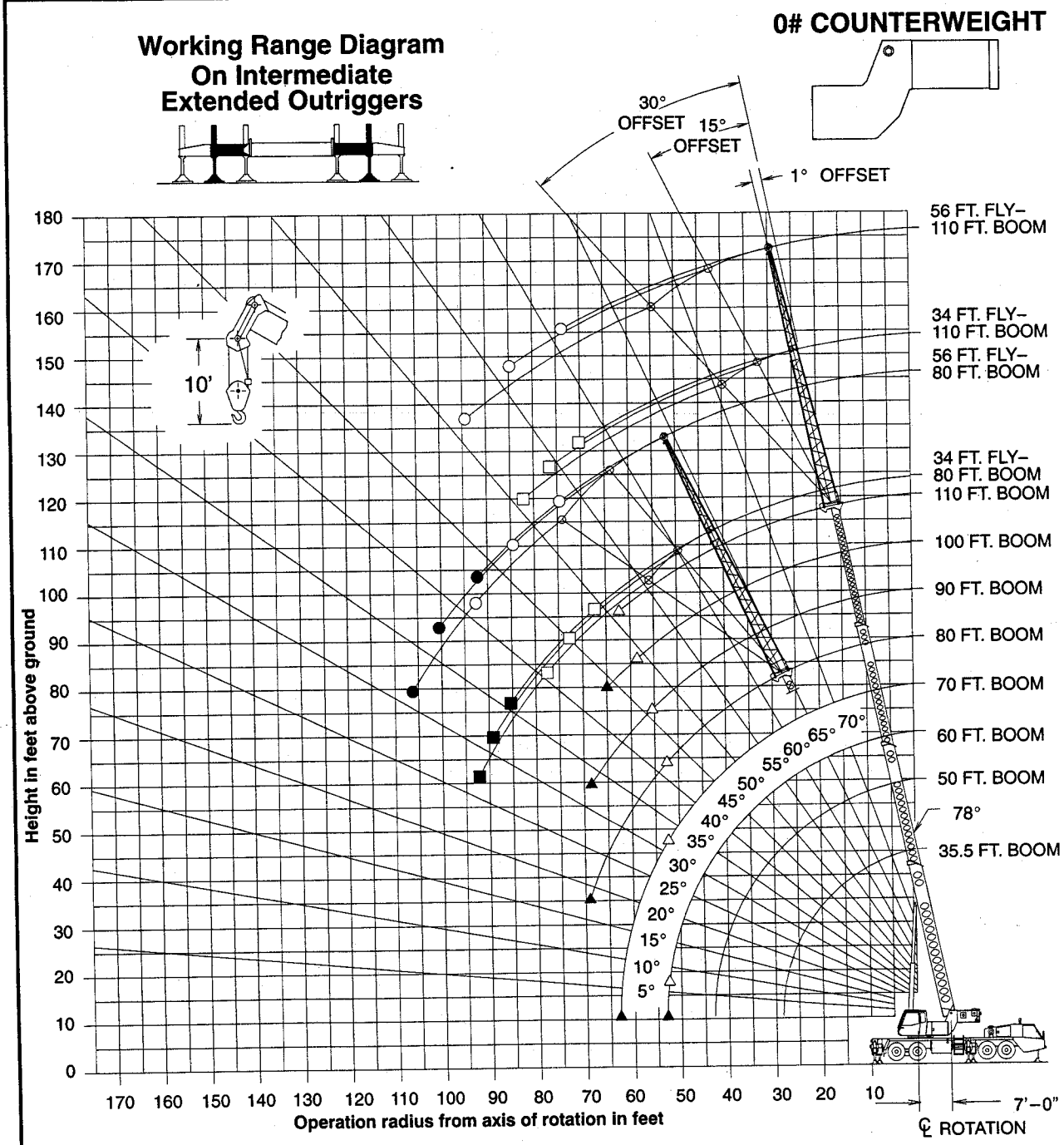
80 Ft. Main Boom + 56 Ft. Offset Fly

Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
30	77.0	10,700					30
35	75.5	10,700					35
40	73.0	9,900	78.0*	7,300			40
45	71.0	9,100	76.5	6,800			45
50	68.5	8,000	74.0	6,400			50
55	66.0	7,000	72.0	6,000	77.0	4,900	55
60	64.0	6,200	69.5	5,700	75.0	4,700	60
65	61.5	5,600	67.0	5,400	72.5	4,500	65
70	59.0	5,000	64.5	5,100	70.0	4,300	70
75	56.0	4,400	62.0	4,500	67.0	4,100	75
80	53.5	4,000	59.0	4,100	64.5	4,000	80
85	50.5	3,600	56.5	3,600	61.5	3,700	85
90	48.0	3,200	53.5	3,200	58.5	3,300	90
95	44.5	2,900	50.5	2,900	55.0	2,900	95
100	41.5	2,600	47.0	2,600	51.5	2,500	100
105	38.0	2,300	43.5	2,300	47.5	2,200	105
110	34.0	2,100	39.5	2,000	43.5	1,900	110
115	30.0	1,900	35.0	1,800	38.5	1,600	115
120	25.0	1,800	30.0	1,600	32.0	1,400	120
125	18.5	1,700	23.0	1,500	21.5	1,400	125
Min. Boom Angle/Cap.	0°	1,700	0°	1,500	0°	1,400	Min. Boom Angle/Cap.

NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.

GENERAL INFORMATION ONLY

WORKING RANGE DIAGRAM



○ Denotes Main Boom + 56' Fly–Boom Mode "A"
● Denotes Main Boom + 56' Fly–Boom Mode "B"
□ Denotes Main Boom + 34' Fly–Boom Mode "A"
■ Denotes Main Boom + 34' Fly–Boom Mode "B"
△ Denotes Main Boom–Boom Mode "A"
▲ 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 As Shown In The Above Chart For The Boom Lengths Shown. Loss Of Stability Will Occur Causing A Tipping Condition.

GENERAL INFORMATION ONLY

Intermediate Extended Outriggers – 0# Counterweight

BOOM MODE "A"
0# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. 360°	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. 360°	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. 360°	Load Radius In Feet
10	65.5	112,000	73.5	75,300			10
12	62.0	96,900	71.0	75,300	74.5	74,900	12
15	56.0	55,900	67.0	55,900	71.5	55,800	15
20	45.0	30,600	60.5	30,600	66.0	30,600	20
25	30.0	19,600	53.5	19,600	60.5	19,600	25
30			45.5	13,500	54.5	13,500	30
35	See Operation Note 20.		36.0	9,500	48.0	9,600	35
40			23.0	6,800	41.0	6,800	40
45					32.5	4,800	45
50					21.0	3,200	50
Min. Boom Angle/Cap.	0°	14,700	0°	5,400	7°		Min. Boom Angle/Cap.

BOOM MODE "A"
0# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

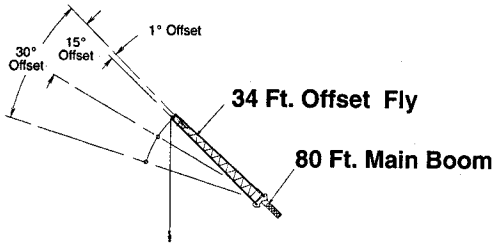
90 Ft. To 110 Ft. Main Boom

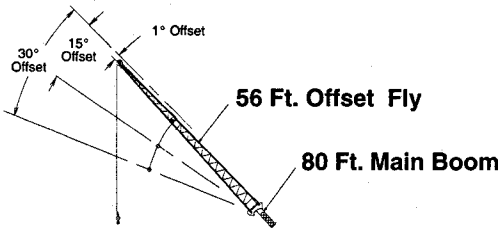
Load Radius In Feet	90 Ft. Loaded Boom Angle (Deg.)	90 Ft. 360°	100 Ft. Loaded Boom Angle (Deg.)	100 Ft. 360°	110 Ft. Loaded Boom Angle (Deg.)	110 Ft. 360°	Load Radius In Feet
20	75.5	28,300	77.0	28,000			20
25	72.0	20,000	74.0	20,900	76.0	19,600	25
30	68.0	13,800	71.0	14,600	73.0	15,200	30
35	64.5	9,900	67.5	10,700	70.0	11,300	35
40	61.0	7,200	64.5	7,900	67.0	8,500	40
45	57.0	5,200	61.0	5,800	64.0	6,400	45
50	53.0	3,600	57.5	4,300	61.0	4,800	50
55	48.5	2,400	54.0	3,000	58.0	3,600	55
60					54.5	2,600	60
Min. Boom Angle/Cap.	46°		49.0°		51.0°		Min. Boom Angle/Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. 360°	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. 360°	Load Radius In Feet
12	77.0	57,800			12
15	74.5	52,600	77.0	42,800	15
20	70.0	30,500	73.0	30,500	20
25	65.5	19,600	69.0	19,600	25
30	60.5	13,400	65.0	13,400	30
35	55.5	9,600	60.5	9,600	35
40	50.0	6,800	56.5	6,800	40
45	44.5	4,800	51.5	4,800	45
50	38.0	3,300	47.0	3,300	50
Min. Boom Angle/ Cap.	32°		42°		Min. Boom Angle/ Cap.

GENERAL INFORMATION ONLY





BOOM MODE "A"
0# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

80 Ft. Main Boom + 34 Ft. Offset Fly

Load Radius In Feet	1° Offset Loaded Boom Angle (Deg.)	1° Offset 360°	15° Offset Loaded Boom Angle (Deg.)	15° Offset 360°	30° Offset Loaded Boom Angle (Deg.)	30° Offset 360°	Load Radius In Feet
25	76.0	20,400					25
30	73.5	15,900	77.5	14,000			30
35	70.5	11,900	75.0	12,900			35
40	67.5	9,000	72.0	10,400	76.0	9,400	40
45	64.5	6,900	69.0	8,100	73.0	8,900	45
50	61.5	5,300	66.0	6,300	70.0	7,300	50
55	58.5	4,000	63.0	4,900	67.0	5,800	55
60	55.5	3,000	60.0	3,800	63.5	4,500	60
65	52.5	2,100	56.5	2,800	60.5	3,400	65
70			53.0	2,000	56.5	2,500	70
75					53.0	1,800	75

⚠ WARNING
Do Not Lower 34 Ft. Offset Fly In Working Position Below 50 Degrees Unless Main Boom Length Is 52 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

BOOM MODE "A"
0# CTWT

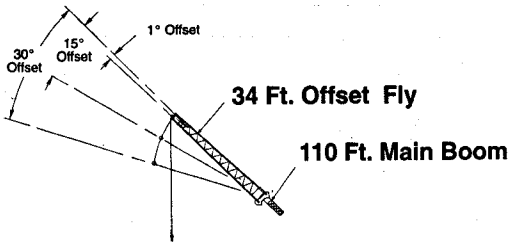
Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

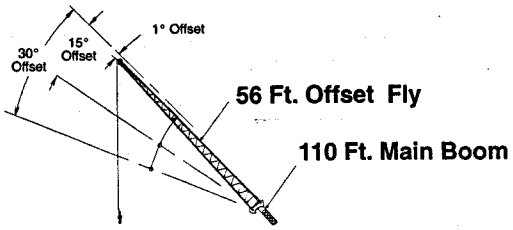
80 Ft. Main Boom + 56 Ft. Offset Fly

Load Radius In Feet	1° Offset Loaded Boom Angle (Deg.)	1° Offset 360°	15° Offset Loaded Boom Angle (Deg.)	15° Offset 360°	30° Offset Loaded Boom Angle (Deg.)	30° Offset 360°	Load Radius In Feet
30	77.0	12,300					30
35	75.0	11,000					35
40	72.5	9,900	78.0*	7,300			40
45	70.5	7,900	76.0	6,800			45
50	68.0	6,200	73.5	6,400			50
55	65.5	4,900	71.5	6,000	77.0	4,900	55
60	63.0	3,800	69.0	5,100	74.5	4,700	60
65	60.5	3,000	66.5	4,000	72.0	4,500	65
70	57.5	2,200	63.5	3,200	69.5	4,200	70
75	55.0	1,600	61.0	2,500	66.5	3,300	75
80			58.5	1,800	63.5	2,600	80
85			55.5	1,300	60.5	1,900	85
90					57.5	1,400	90

⚠ WARNING
Do Not Lower 56 Ft. Offset Fly In Working Position Below 54 Degrees Unless Main Boom Length Is 47 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.





BOOM MODE "A" OR "B"
0# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

110 Ft. Main Boom + 34 Ft. Offset Fly

Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
30	77.5	10,000					30
35	75.5	10,000					35
40	73.5	9,500	77.0	9,500			40
45	71.5	7,400	75.0	8,500	78.0*	7,900	45
50	69.0	5,700	72.5	6,800	76.0	7,300	50
55	67.0	4,400	70.5	5,300	73.5	6,200	55
60	64.5	3,400	68.0	4,200	71.5	5,000	60
65	62.0	2,500	65.5	3,200	68.5	3,900	65
70	59.5	1,800	63.0	2,500	66.0	3,100	70
75			60.5	1,800	63.5	2,300	75
80					61.0	1,700	80

⚠ WARNING
Do Not Lower 34 Ft. Offset Fly In Working Position Below 58 Degrees Unless Main Boom Length Is 52 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

BOOM MODE "A" OR "B"
0# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

110 Ft. Main Boom + 56 Ft. Offset Fly

Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
40	76.5	6,400					40
45	75.0	6,400					45
50	73.5	6,400	78.0*	6,100			50
55	71.5	5,000	76.5	5,500			55
60	69.5	4,000	74.5	5,100			60
65	67.0	3,100	72.5	4,200	77.0	4,300	65
70	65.0	2,300	70.5	3,300	75.5	3,900	70
75	63.0	1,700	68.0	2,600	73.0	3,500	75
80			66.0	2,000	71.0	2,800	80
85			64.0	1,400	68.5	2,200	85
90					66.5	1,600	90

⚠ WARNING
Do Not Lower 56 Ft. Offset Fly In Working Position Below 61.5 Degrees Unless Main Boom Length Is 47 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

BOOM MODE "B"
0# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft.		50 Ft.		60 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
10	65.5	112,000	73.5	75,300			10
12	62.0	96,900	71.0	75,300	74.5	45,300	12
15	56.0	55,900	67.0	57,600	71.5	38,900	15
20	45.0	30,600	60.5	31,900	66.0	31,700	20
25	30.0	19,600	53.5	20,800	60.5	21,200	25
30			45.5	14,500	54.5	14,900	30
35	See Operation Note 20.		36.0	10,500	48.5	10,900	35
40			23.0	7,700	41.0	8,100	40
45					32.5	6,100	45
50					21.0	4,500	50
Min. Boom Angle/Cap.	0°	14,700	0°	6,300	0°	3,600	Min. Boom Angle/Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft.		80 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
12	77.0	28,000			12
15	74.5	28,000	76.5	28,100	15
20	70.0	26,900	73.0	25,000	20
25	65.5	22,200	69.0	20,500	25
30	60.5	15,900	65.0	16,600	30
35	55.5	11,800	61.0	12,500	35
40	50.5	9,000	56.5	9,700	40
45	44.5	6,900	52.0	7,600	45
50	38.0	5,300	47.0	5,900	50
55	30.0	4,100	41.5	4,700	55
60	19.5	3,000	35.5	3,600	60
65			28.0	2,800	65
Min. Boom Angle/Cap.	0°	2,500	18.0		Min. Boom Angle/Cap.

BOOM MODE "B"
0# CTWT

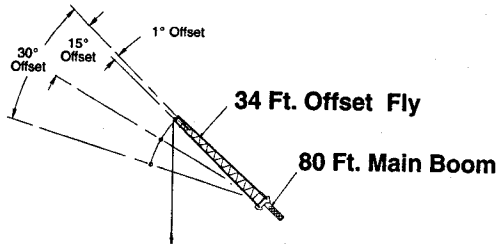
Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

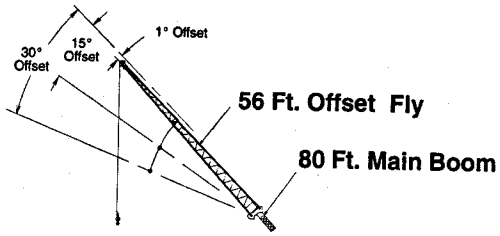
90 Ft. To 110 Ft. Main Boom

Load Radius In Feet	90 Ft.		100 Ft.		110 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
20	75.0	25,400	77.0	27,600			20
25	72.0	20,900	74.0	22,200	76.0	19,600	25
30	68.5	16,500	71.0	15,800	73.0	15,200	30
35	64.5	12,500	67.5	11,800	70.0	11,300	35
40	61.0	9,600	64.5	9,000	67.0	8,500	40
45	57.0	7,500	61.0	6,900	64.0	6,400	45
50	53.0	5,900	57.5	5,300	61.0	4,800	50
55	48.5	4,600	54.0	4,000	58.0	3,600	55
60	44.0	3,600	50.0	3,000	54.5	2,600	60
65	39.0	2,700	46.0	2,200			65
Min. Boom Angle/Cap.	33°		44°		51°		Min. Boom Angle/Cap.

GENERAL INFORMATION ONLY

NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.





BOOM MODE "B"
0# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

80 Ft. Main Boom + 34 Ft. Offset Fly

Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
25	76.0	17,500					25
30	73.5	15,800	78.0*	14,000			30
35	71.0	13,500	75.0	12,900			35
40	68.0	11,000	72.5	12,000	76.5	9,400	40
45	65.0	8,900	69.5	9,800	73.5	8,900	45
50	62.0	7,200	66.5	8,000	70.5	8,500	50
55	59.0	5,900	63.5	6,500	67.5	7,200	55
60	56.0	4,800	60.5	5,400	64.0	6,000	60
65	53.0	3,900	57.0	4,400	61.0	4,900	65
70	49.5	3,200	53.5	3,600	57.0	4,000	70
75	46.0	2,500	50.0	2,900	53.5	3,300	75
80	42.0	2,000	46.0	2,300	49.5	2,600	80
85	38.0	1,500	42.0	1,800	45.0	2,000	85
90					40.0	1,500	90

⚠ WARNING
Do Not Lower 34 Ft. Offset Fly In Working Position Below 36.5 Degrees Unless Main Boom Length Is 57 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

BOOM MODE "B"
0# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

80 Ft. Main Boom + 56 Ft. Offset Fly

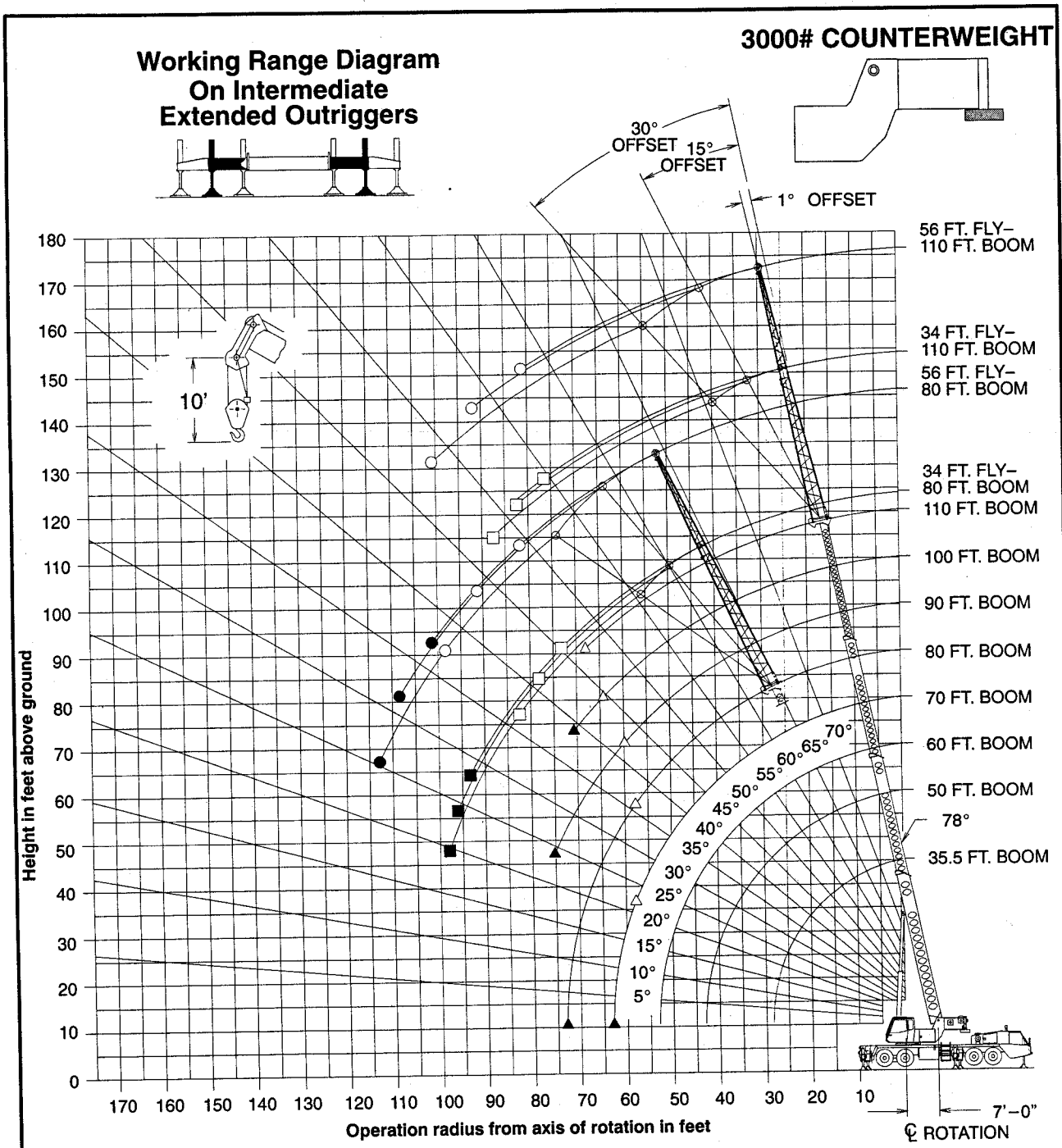
Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
30	77.0	10,700					30
35	75.5	10,700					35
40	73.0	9,900	78.0*	7,300			40
45	71.0	9,100	76.5	6,800			45
50	68.5	7,800	74.0	6,400			50
55	66.0	6,500	72.0	6,000	77.0	4,900	55
60	63.5	5,400	69.5	5,700	75.0	4,700	60
65	61.0	4,400	67.0	5,300	72.5	4,500	65
70	58.5	3,700	64.5	4,400	70.0	4,300	70
75	55.5	3,000	61.5	3,700	67.0	4,100	75
80	53.0	2,500	59.0	3,100	64.5	3,700	80
85	50.0	2,000	56.0	2,500	61.5	3,100	85
90	47.5	1,600	53.0	2,000	58.0	2,500	90
95			50.0	1,600	55.0	2,000	95
100					51.0	1,600	100

⚠ WARNING
Do Not Lower 56 Ft. Offset Fly In Working Position Below 44 Degrees Unless Main Boom Length Is 50 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.

GENERAL INFORMATION ONLY

WORKING RANGE DIAGRAM



○ Denotes Main Boom + 56' Fly–Boom Mode "A"
● Denotes Main Boom + 56' Fly–Boom Mode "B"
□ Denotes Main Boom + 34' Fly–Boom Mode "A"
■ Denotes Main Boom + 34' Fly–Boom Mode "B"
△ Denotes Main Boom–Boom Mode "A"
▲ 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 As Shown In The Above Chart For The Boom Lengths Shown. Loss Of Stability Will Occur Causing A Tipping Condition.

GENERAL INFORMATION ONLY

Intermediate Extended Outriggers – 3,000# Counterweight

BOOM MODE "A"
3000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. 360°	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. 360°	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. 360°	Load Radius In Feet
10	65.5	114,000	73.5	75,300			10
12	62.0	103,800	71.0	75,300	74.5	74,900	12
15	56.0	62,600	67.0	62,600	71.5	62,500	15
20	45.0	34,700	60.5	34,700	66.0	34,700	20
25	30.0	22,500	53.5	22,600	60.5	22,600	25
30			45.5	15,700	54.5	15,700	30
35	See Operation Note 20.		36.0	11,400	48.5	11,400	35
40			23.0	8,300	41.0	8,400	40
45					32.5	6,200	45
50					21.0	4,400	50
Min. Boom Angle/Cap.	0°	17,200	0°	6,800	0°	3,500	Min. Boom Angle/Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. 360°	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. 360°	Load Radius In Feet
12	77.0	57,800			12
15	74.5	52,600	77.0	42,800	15
20	70.0	34,600	73.0	34,600	20
25	65.5	22,500	69.0	22,500	25
30	60.5	15,700	65.0	15,700	30
35	55.5	11,400	61.0	11,400	35
40	50.5	8,400	56.5	8,400	40
45	44.5	6,200	52.0	6,200	45
50	38.0	4,500	47.0	4,500	50
55	30.0	3,100	41.5	3,100	55
Min. Boom Angle/ Cap.	22°		36°		Min. Boom Angle/ Cap.

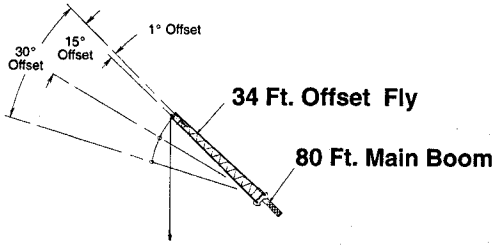
BOOM MODE "A"
3000# CTWT

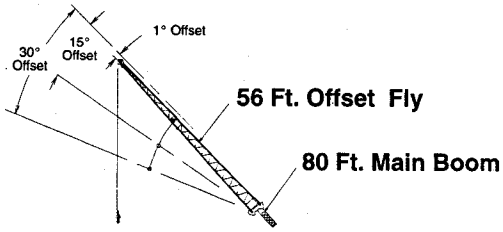
Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

90 Ft. To 110 Ft. Main Boom

Load Radius In Feet	90 Ft. Loaded Boom Angle (Deg.)	90 Ft. 360°	100 Ft. Loaded Boom Angle (Deg.)	100 Ft. 360°	110 Ft. Loaded Boom Angle (Deg.)	110 Ft. 360°	Load Radius In Feet
20	75.5	28,300	77.0	28,000			20
25	72.0	23,000	74.0	23,800	76.0	19,600	25
30	68.5	16,100	71.0	16,900	73.0	17,500	30
35	64.5	11,800	67.5	12,600	70.0	13,000	35
40	61.0	8,800	64.5	9,500	67.5	10,100	40
45	57.0	6,500	61.0	7,200	64.5	7,800	45
50	53.0	4,800	57.5	5,500	61.0	6,000	50
55	48.5	3,500	54.0	4,100	58.0	4,700	55
60	44.0	2,400	50.0	3,000	54.5	3,500	60
65			46.0	2,100	51.5	2,600	65
Min. Boom Angle/Cap.	42°		44.5°		47°		Min. Boom Angle/Cap.

GENERAL INFORMATION ONLY





BOOM MODE "A"
3000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

80 Ft. Main Boom + 34 Ft. Offset Fly

Load Radius In Feet	1° Offset Loaded Boom Angle (Deg.)	1° Offset 360°	15° Offset Loaded Boom Angle (Deg.)	15° Offset 360°	30° Offset Loaded Boom Angle (Deg.)	30° Offset 360°	Load Radius In Feet
25	76.0	20,400					25
30	73.5	18,200	77.5	14,000			30
35	70.5	13,600	75.0	12,900			35
40	68.0	10,600	72.0	12,000	76.0	9,400	40
45	65.0	8,300	69.0	9,500	73.0	8,900	45
50	62.0	6,500	66.0	7,500	70.5	8,500	50
55	59.0	5,100	63.0	6,000	67.0	6,900	55
60	56.0	4,000	60.0	4,700	64.0	5,500	60
65	52.5	3,000	56.5	3,700	60.5	4,300	65
70	49.0	2,200	53.5	2,800	57.0	3,400	70
75			49.5	2,100	53.0	2,500	75
80					49.0	1,800	80

⚠ WARNING
Do Not Lower 34 Ft. Offset Fly In Working Position Below 46 Degrees Unless Main Boom Length Is 57 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

BOOM MODE "A"
3000# CTWT

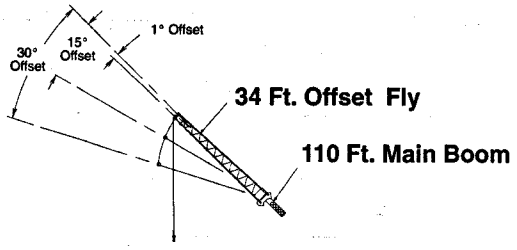
Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

80 Ft. Main Boom + 56 Ft. Offset Fly

Load Radius In Feet	1° Offset Loaded Boom Angle (Deg.)	1° Offset 360°	15° Offset Loaded Boom Angle (Deg.)	15° Offset 360°	30° Offset Loaded Boom Angle (Deg.)	30° Offset 360°	Load Radius In Feet
30	77.0	12,300					30
35	75.0	11,000					35
40	72.5	9,900	78.0*	7,300			40
45	70.5	9,100	76.0	6,800			45
50	68.0	7,400	73.5	6,400			50
55	65.5	6,000	71.5	6,000	77.0	4,900	55
60	63.0	4,800	69.0	5,700	74.5	4,700	60
65	60.5	3,900	66.5	4,900	72.0	4,500	65
70	58.0	3,000	64.0	4,000	69.5	4,300	70
75	55.5	2,400	61.0	3,200	67.0	4,100	75
80	52.5	1,800	58.5	2,500	64.0	3,300	80
85			55.5	1,900	61.0	2,600	85
90			52.5	1,400	57.5	2,000	90
95					54.5	1,500	95

⚠ WARNING
Do Not Lower 56 Ft. Offset Fly In Working Position Below 50 Degrees Unless Main Boom Length Is 52 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.



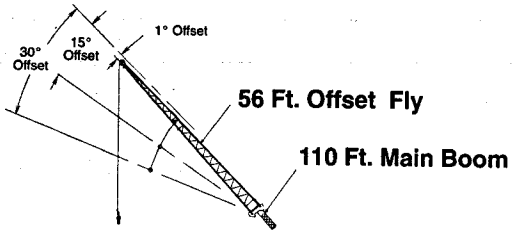
BOOM MODE "A" OR "B"
3000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

110 Ft. Main Boom + 34 Ft. Offset Fly

Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
30	77.5	10,000					30
35	75.5	10,000					35
40	74.0	10,000	77.0	9,500			40
45	71.5	8,700	75.0	8,600	78.0°	7,900	45
50	69.5	6,900	73.0	7,800	76.0	7,300	50
55	67.0	5,500	70.5	6,400	74.0	6,700	55
60	64.5	4,400	68.0	5,200	71.5	5,900	60
65	62.5	3,400	66.0	4,100	69.0	4,800	65
70	60.0	2,600	63.5	3,300	66.5	3,900	70
75	57.5	2,000	61.0	2,500	64.0	3,100	75
80			58.0	1,900	61.5	2,400	80
85					58.5	1,800	85

⚠ WARNING
Do Not Lower 34 Ft. Offset Fly In Working Position Below 55 Degrees Unless Main Boom Length Is 57 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.



BOOM MODE "A" OR "B"
3000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

110 Ft. Main Boom + 56 Ft. Offset Fly

Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
40	76.5	6,400					40
45	75.0	6,400					45
50	73.5	6,400	78.0°	6,100			50
55	71.5	6,100	76.5	5,500			55
60	69.5	4,900	74.5	5,100			60
65	67.5	4,000	72.5	4,600	77.0	4,300	65
70	65.5	3,200	71.0	4,200	75.5	3,900	70
75	63.5	2,500	68.5	3,400	73.5	3,700	75
80	61.5	1,900	66.5	2,700	71.5	3,400	80
85			64.5	2,100	69.0	2,800	85
90			62.0	1,600	66.5	2,200	90
95					64.5	1,700	95

⚠ WARNING
Do Not Lower 56 Ft. Offset Fly In Working Position Below 58.5 Degrees Unless Main Boom Length Is 52 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

BOOM MODE "B"
3000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft.		50 Ft.		60 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
10	65.5	114,000	73.5	75,300			10
12	62.0	103,800	71.0	75,300	74.5	45,300	12
15	56.0	62,600	67.0	64,300	71.5	38,900	15
20	45.0	34,700	60.5	36,000	66.0	31,700	20
25	30.0	22,500	53.5	23,700	60.5	24,200	25
30			45.5	16,800	54.5	17,200	30
35	See Operation Note 20.		36.0	12,400	48.5	12,800	35
40			23.0	9,300	41.0	9,700	40
45					32.5	7,400	45
50					21.0	5,700	50
Min. Boom Angle/Cap.	0°	17,200	0°	7,800	0°	4,800	Min. Boom Angle/Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft.		80 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
12	77.0	28,000			12
15	74.5	28,000	76.5	28,100	15
20	70.0	26,900	73.0	25,000	20
25	65.5	22,200	69.0	20,500	25
30	60.5	18,200	65.0	17,200	30
35	55.5	13,700	61.0	14,300	35
40	50.5	10,600	56.5	11,300	40
45	44.5	8,300	52.0	8,900	45
50	38.0	6,500	47.0	7,200	50
55	30.0	5,100	41.5	5,800	55
60	19.5	4,000	35.5	4,600	60
65			28.0	3,700	65
70			18.0	2,900	70
Min. Boom Angle/Cap.	0°	3,400	0°	2,500	Min. Boom Angle/Cap.

BOOM MODE "B"
3000# CTWT

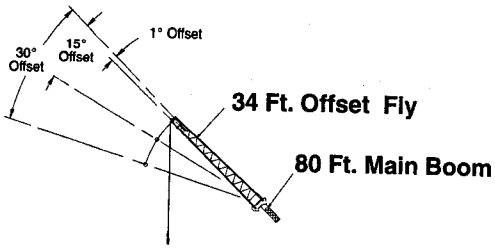
Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

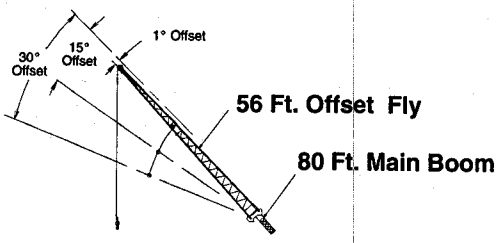
90 Ft. To 110 Ft. Main Boom

Load Radius In Feet	90 Ft.		100 Ft.		110 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
20	75.0	25,400	77.0	27,600			20
25	72.0	20,900	74.0	22,900	76.0	19,600	25
30	68.5	17,700	71.0	18,100	73.0	17,500	30
35	64.5	14,200	67.5	13,600	70.0	13,000	35
40	61.0	11,200	64.5	10,600	67.5	10,100	40
45	57.0	8,900	61.0	8,300	64.5	7,800	45
50	53.0	7,100	57.5	6,500	61.0	6,000	50
55	49.0	5,700	54.0	5,100	58.0	4,700	55
60	44.0	4,500	50.0	4,000	54.5	3,500	60
65	39.0	3,600	46.0	3,100	51.5	2,600	65
70	33.5	2,800	42.0	2,300			70
Min. Boom Angle/Cap.	24°		39°		47°		Min. Boom Angle/Cap.

GENERAL INFORMATION ONLY

NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.





BOOM MODE "B"
3000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

80 Ft. Main Boom + 34 Ft. Offset Fly

Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
25	76.0	17,500					25
30	73.5	15,800	78.0*	14,000			30
35	71.0	13,500	75.0	12,900			35
40	68.0	11,800	72.5	12,000	76.5	9,400	40
45	65.5	10,200	69.5	10,500	73.5	8,900	45
50	62.5	8,400	67.0	9,200	70.5	8,500	50
55	59.5	6,900	63.5	7,600	67.5	8,200	55
60	56.0	5,800	60.5	6,400	64.5	6,900	60
65	53.0	4,800	57.0	5,300	61.0	5,800	65
70	49.5	4,000	54.0	4,400	57.5	4,900	70
75	46.0	3,300	50.0	3,700	53.5	4,000	75
80	42.5	2,700	46.5	3,000	49.5	3,300	80
85	38.0	2,200	42.0	2,500	45.5	2,700	85
90	34.0	1,700	37.5	2,000	40.5	2,200	90
95			32.5	1,500	34.5	1,700	95

⚠ WARNING
Do Not Lower 34 Ft. Offset Fly In Working Position Below 29 Degrees Unless Main Boom Length Is 64 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

BOOM MODE "B"
3000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

80 Ft. Main Boom + 56 Ft. Offset Fly

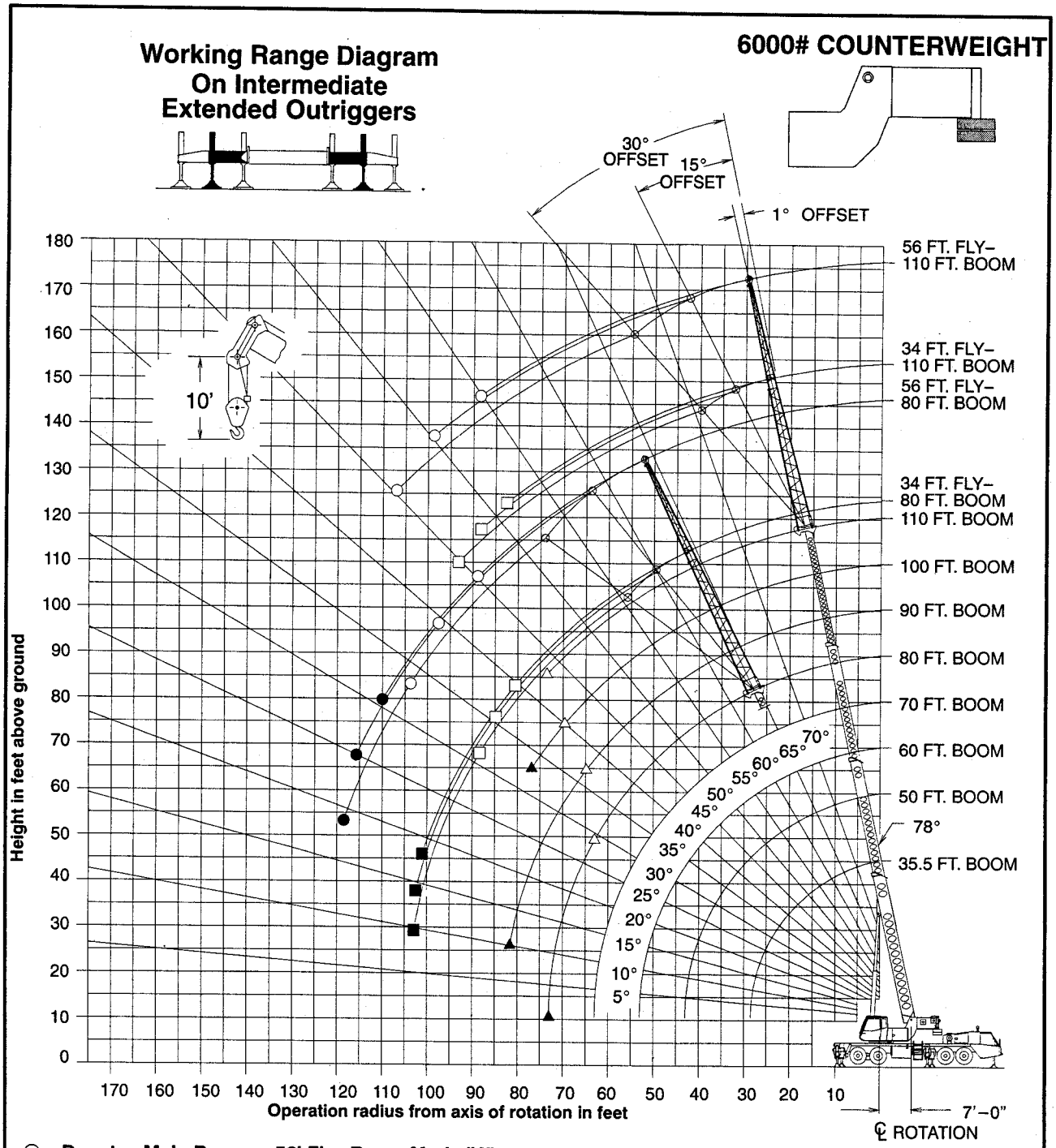
Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
30	77.0	10,700					30
35	75.5	10,700					35
40	73.0	9,900	78.0*	7,300			40
45	71.0	9,100	76.5	6,800			45
50	68.5	8,000	74.0	6,400			50
55	66.0	7,000	72.0	6,000	77.0	4,900	55
60	64.0	6,200	69.5	5,700	75.0	4,700	60
65	61.5	5,300	67.0	5,400	72.5	4,500	65
70	58.5	4,500	64.5	5,100	70.0	4,300	70
75	56.0	3,800	62.0	4,500	67.0	4,100	75
80	53.0	3,200	59.0	3,800	64.5	4,000	80
85	50.5	2,700	56.5	3,200	61.5	3,700	85
90	47.5	2,200	53.0	2,700	58.5	3,100	90
95	44.5	1,800	50.0	2,200	55.0	2,600	95
100	41.0	1,400	46.5	1,800	51.5	2,100	100
105			43.0	1,400	47.5	1,700	105
110					43.5	1,300	110

⚠ WARNING
Do Not Lower 56 Ft. Offset Fly In Working Position Below 38 Degrees Unless Main Boom Length Is 56 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.

GENERAL INFORMATION ONLY

WORKING RANGE DIAGRAM



○ Denotes Main Boom + 56' Fly–Boom Mode "A"
● Denotes Main Boom + 56' Fly–Boom Mode "B"
□ Denotes Main Boom + 34' Fly–Boom Mode "A"
■ Denotes Main Boom + 34' Fly–Boom Mode "B"
△ Denotes Main Boom–Boom Mode "A"
▲ 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 As Shown In The Above Chart For The Boom Lengths Shown. Loss Of Stability Will Occur Causing A Tipping Condition.

GENERAL INFORMATION ONLY

Intermediate Extended Outriggers –6,000# Counterweight

BOOM MODE "A"
6000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. 360°	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. 360°	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. 360°	Load Radius In Feet
10	65.5	116,500	73.5	75,300			10
12	62.0	105,800	71.0	75,300	74.5	74,900	12
15	56.0	69,400	67.0	69,300	71.5	69,200	15
20	45.0	38,800	60.5	38,700	66.0	38,700	20
25	30.0	25,400	53.5	25,500	60.5	25,500	25
30			45.5	18,000	54.5	18,000	30
35	See Operation Note 20.		36.0	13,200	48.5	13,300	35
40			23.0	9,900	41.0	10,000	40
45					32.5	7,500	45
50					21.0	5,700	50
Min. Boom Angle/Cap.	0°	19,600	0°	8,300	0°	4,700	Min. Boom Angle/Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. 360°	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. 360°	Load Radius In Feet
12	77.0	57,800			12
15	74.5	52,600	77.0	42,800	15
20	70.0	38,600	73.5	37,500	20
25	65.5	25,500	69.0	25,400	25
30	60.5	18,000	65.0	18,000	30
35	55.5	13,200	61.0	13,200	35
40	50.5	10,000	56.5	10,000	40
45	44.5	7,600	52.0	7,600	45
50	38.0	5,700	47.0	5,700	50
55	30.0	4,200	41.5	4,200	55
60	19.5	3,000	35.5	3,000	60
Min. Boom Angle/Cap.	0°	2,300	29°		Min. Boom Angle/Cap.

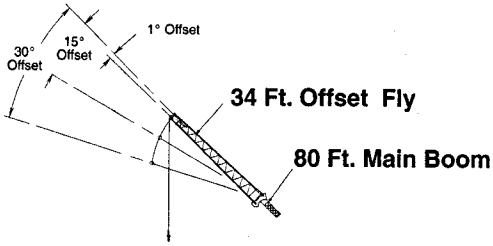
BOOM MODE "A"
6000# CTWT

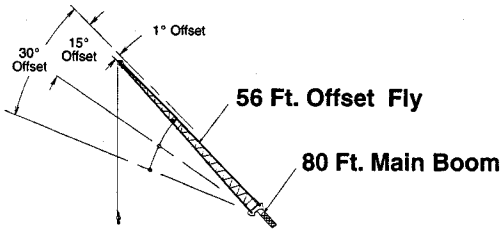
Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

90 Ft. To 110 Ft. Main Boom

Load Radius In Feet	90 Ft. Loaded Boom Angle (Deg.)	90 Ft. 360°	100 Ft. Loaded Boom Angle (Deg.)	100 Ft. 360°	110 Ft. Loaded Boom Angle (Deg.)	110 Ft. 360°	Load Radius In Feet
20	75.5	28,300	77.0	28,000			20
25	72.0	25,800	74.5	26,600	76.0	19,600	25
30	68.5	18,400	71.0	19,200	73.5	19,600	30
35	64.5	13,600	68.0	14,300	70.5	14,900	35
40	61.0	10,400	64.5	11,100	67.5	11,600	40
45	57.0	7,900	61.0	8,600	64.5	9,200	45
50	53.0	6,100	57.5	6,700	61.5	7,200	50
55	49.0	4,600	54.0	5,200	58.0	5,700	55
60	44.0	3,400	50.0	4,000	55.0	4,500	60
65	39.0	2,400	46.0	3,000	51.5	3,500	65
70			42.0	2,200	48.0	2,700	70
Min. Boom Angle/Cap.	37°		40°		43°		Min. Boom Angle/Cap.

GENERAL INFORMATION ONLY





BOOM MODE "A"
6000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

80 Ft. Main Boom + 34 Ft. Offset Fly

Load Radius In Feet	1° Offset Loaded Boom Angle (Deg.)	1° Offset 360°	15° Offset Loaded Boom Angle (Deg.)	15° Offset 360°	30° Offset Loaded Boom Angle (Deg.)	30° Offset 360°	Load Radius In Feet
25	76.0	20,400					25
30	73.5	18,700	77.5	14,000			30
35	71.0	15,500	75.0	12,900			35
40	68.0	12,200	72.0	12,000	76.0	9,400	40
45	65.0	9,700	69.5	10,900	73.0	8,900	45
50	62.0	7,700	66.5	8,700	70.5	8,500	50
55	59.0	6,200	63.5	7,100	67.5	7,900	55
60	56.0	4,900	60.0	5,700	64.0	6,500	60
65	52.5	3,900	57.0	4,600	60.5	5,200	65
70	49.5	3,100	53.5	3,700	57.0	4,200	70
75	46.0	2,300	50.0	2,800	53.5	3,300	75
80	42.0	1,700	46.0	2,100	49.5	2,500	80
85			42.0	1,500	45.0	1,800	85

⚠ WARNING
Do Not Lower 34 Ft. Offset Fly In Working Position Below 40.5 Degrees Unless Main Boom Length Is 61 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

BOOM MODE "A"
6000# CTWT

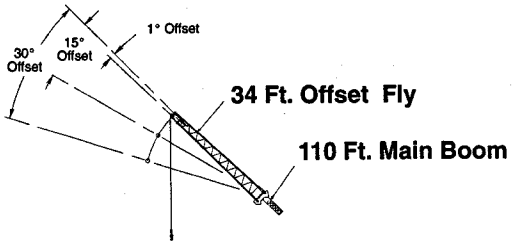
Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

80 Ft. Main Boom + 56 Ft. Offset Fly

Load Radius In Feet	1° Offset Loaded Boom Angle (Deg.)	1° Offset 360°	15° Offset Loaded Boom Angle (Deg.)	15° Offset 360°	30° Offset Loaded Boom Angle (Deg.)	30° Offset 360°	Load Radius In Feet
30	77.0	12,300					30
35	75.0	11,000					35
40	72.5	9,900	78.0*	7,300			40
45	70.5	9,100	76.0	6,800			45
50	68.0	8,300	73.5	6,400			50
55	66.0	7,100	71.5	6,000	77.0	4,900	55
60	63.5	5,800	69.0	5,700	74.5	4,700	60
65	61.0	4,800	66.5	5,400	72.0	4,500	65
70	58.0	3,900	64.0	4,800	69.5	4,300	70
75	55.5	3,100	61.5	4,000	67.0	4,100	75
80	53.0	2,500	58.5	3,300	64.0	4,000	80
85	50.0	1,900	56.0	2,600	61.0	3,300	85
90	47.0	1,400	53.0	2,000	58.0	2,600	90
95			49.5	1,500	54.5	2,000	95
100					51.0	1,500	100

⚠ WARNING
Do Not Lower 56 Ft. Offset Fly In Working Position Below 46 Degrees Unless Main Boom Length Is 56 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.



BOOM MODE "A" OR "B"
6000# CTWT

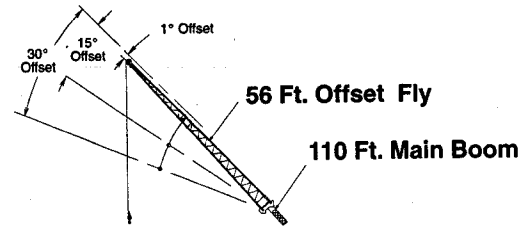
Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

110 Ft. Main Boom + 34 Ft. Offset Fly

Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
30	77.5	10,000					30
35	75.5	10,000					35
40	74.0	10,000	77.0	9,500			40
45	72.0	9,400	75.0	8,600	78.0*	7,900	45
50	69.5	8,200	73.0	7,800	76.0	7,300	50
55	67.5	6,600	71.0	7,200	74.0	6,700	55
60	65.0	5,400	68.5	6,200	71.5	6,200	60
65	62.5	4,300	66.0	5,000	69.5	5,700	65
70	60.0	3,500	63.5	4,100	67.0	4,700	70
75	57.5	2,700	61.0	3,300	64.0	3,800	75
80	55.0	2,100	58.5	2,600	61.5	3,100	80
85			56.0	2,000	58.5	2,400	85
90					56.0	1,800	90

⚠ WARNING

Do Not Lower 34 Ft. Offset Fly In Working Position Below 52 Degrees Unless Main Boom Length Is 61 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.



BOOM MODE "A" OR "B"
6000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

110 Ft. Main Boom + 56 Ft. Offset Fly

Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
40	76.5	6,400					40
45	75.0	6,400					45
50	73.5	6,400	78.0*	6,100			50
55	71.5	6,100	76.5	5,500			55
60	70.0	5,600	74.5	5,100			60
65	68.0	4,900	72.5	4,600	77.0	4,300	65
70	66.0	4,000	71.0	4,300	75.5	3,900	70
75	63.5	3,200	69.0	3,900	73.5	3,700	75
80	61.5	2,600	67.0	3,400	71.5	3,400	80
85	59.5	2,000	64.5	2,800	69.0	3,200	85
90	57.5	1,500	62.5	2,200	67.0	2,900	90
95			60.0	1,700	64.5	2,300	95
100			58.0	1,300	62.5	1,600	100
105					60.0	1,400	105

⚠ WARNING

Do Not Lower 56 Ft. Offset Fly In Working Position Below 55.5 Degrees Unless Main Boom Length Is 56 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

BOOM MODE "B"
6000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft.		50 Ft.		60 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
10	65.5	116,500	73.5	75,300			10
12	62.0	105,800	71.0	75,300	74.5	45,300	12
15	56.0	69,400	67.0	71,000	71.5	38,900	15
20	45.0	38,800	60.5	40,100	66.0	31,700	20
25	30.0	25,400	53.5	26,600	60.5	26,300	25
30			45.5	19,100	55.0	19,500	30
35	See Operation Note 20.		36.0	14,200	48.5	14,600	35
40			23.0	10,900	41.0	11,300	40
45					32.5	8,800	45
50					21.0	6,900	50
Min. Boom Angle/Cap.	0°	19,600	0°	9,200	0°	5,900	Min. Boom Angle/Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft.		80 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
12	77.0	28,000			12
15	74.5	28,000	76.5	28,100	15
20	70.0	26,900	73.0	25,000	20
25	65.5	22,200	69.0	20,500	25
30	60.5	18,700	65.0	17,200	30
35	56.0	15,500	61.0	15,100	35
40	50.5	12,200	56.5	12,800	40
45	44.5	9,700	52.0	10,300	45
50	38.0	7,800	47.0	8,400	50
55	30.0	6,200	41.5	6,800	55
60	19.5	5,000	35.5	5,600	60
65			28.5	4,600	65
70			18.0	3,700	70
Min. Boom Angle/ Cap.	0°	4,300	0°	3,300	Min. Boom Angle/ Cap.

BOOM MODE "B"
6000# CTWT

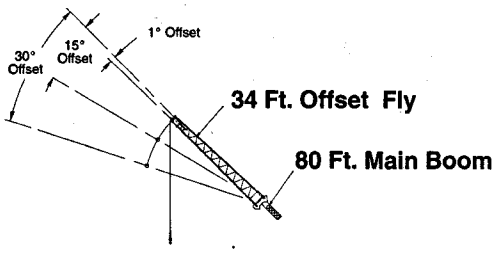
Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

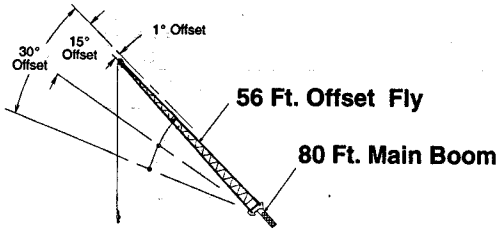
90 Ft. To 110 Ft. Main Boom

Load Radius In Feet	90 Ft.		100 Ft.		110 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
20	75.0	25,400	77.0	27,800			20
25	72.0	20,900	74.0	22,900	76.0	19,600	25
30	68.5	17,700	71.0	19,500	73.5	19,600	30
35	65.0	15,500	68.0	15,500	70.5	14,900	35
40	61.0	12,800	64.5	12,100	67.5	11,600	40
45	57.0	10,200	61.0	9,600	64.5	9,200	45
50	53.0	8,300	57.5	7,700	61.5	7,200	50
55	49.0	6,800	54.0	6,200	58.0	5,700	55
60	44.5	5,500	50.5	5,000	55.0	4,500	60
65	39.0	4,500	46.0	4,000	51.5	3,500	65
70	33.5	3,700	42.0	3,100	48.0	2,700	70
75	26.5	2,900	37.0	2,400			75
Min. Boom Angle/Cap.	10°		33°		43°		Min. Boom Angle/Cap.

GENERAL INFORMATION ONLY

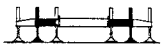
NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.





BOOM MODE "B"
6000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.



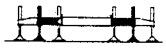
80 Ft. Main Boom + 34 Ft. Offset Fly

Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
25	76.0	17,500					25
30	73.5	15,800	78.0°	14,000			30
35	71.0	13,500	75.0	12,900			35
40	68.0	11,800	72.5	12,000	76.5	9,400	40
45	65.5	10,300	69.5	10,500	73.5	8,900	45
50	62.5	9,100	67.0	9,300	70.5	8,500	50
55	59.5	8,000	64.0	8,200	67.5	8,200	55
60	56.5	6,800	60.5	7,300	64.5	7,500	60
65	53.0	5,700	57.5	6,200	61.0	6,700	65
70	50.0	4,800	54.0	5,300	57.5	5,700	70
75	46.0	4,100	50.5	4,500	54.0	4,800	75
80	42.5	3,400	46.5	3,800	50.0	4,100	80
85	38.5	2,900	42.5	3,100	45.5	3,400	85
90	34.0	2,400	38.0	2,600	40.5	2,800	90
95	29.0	1,900	32.5	2,100	35.0	2,200	95
100	22.5	1,500	26.0	1,700	27.5	1,700	100

⚠ WARNING
Do Not Lower 34 Ft. Offset Fly In Working Position Below 19 Degrees Unless Main Boom Length Is 73 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

BOOM MODE "B"
6000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.



80 Ft. Main Boom + 56 Ft. Offset Fly

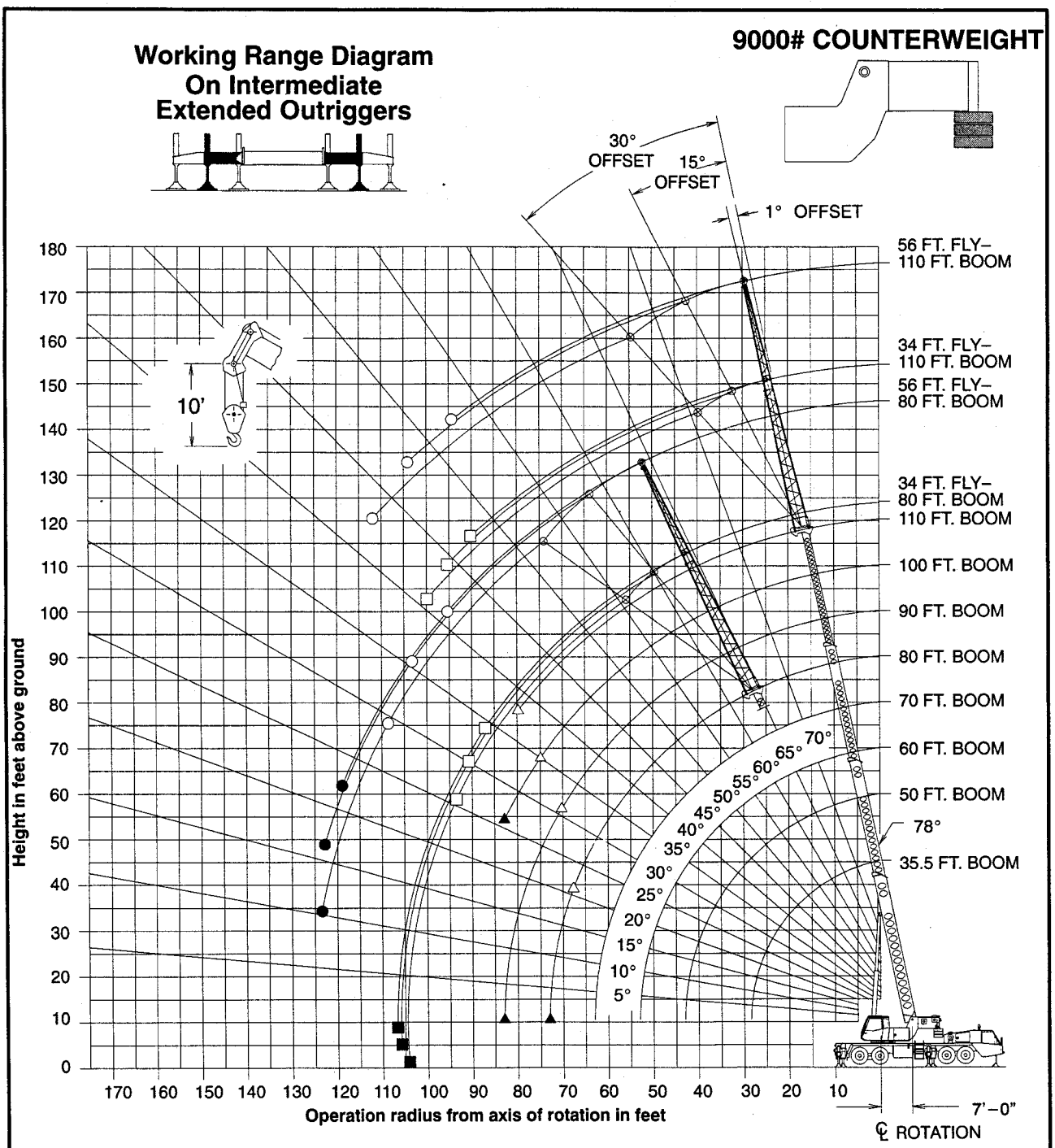
Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
30	77.0	10,700					30
35	75.5	10,700					35
40	73.0	9,900	78.0°	7,300			40
45	71.0	9,100	76.5	6,800			45
50	68.5	8,000	74.0	6,400			50
55	66.0	7,000	72.0	6,000	77.0	4,900	55
60	64.0	6,200	69.5	5,700	75.0	4,700	60
65	61.5	5,800	67.0	5,400	72.5	4,500	65
70	59.0	5,000	64.5	5,100	70.0	4,300	70
75	56.0	4,400	62.0	4,500	67.0	4,100	75
80	53.5	3,900	59.0	4,100	64.5	4,000	80
85	50.5	3,300	56.5	3,600	61.5	3,700	85
90	47.5	2,800	53.5	3,200	58.5	3,300	90
95	44.5	2,400	50.5	2,800	55.0	2,900	95
100	41.5	2,000	47.0	2,400	51.5	2,500	100
105	38.0	1,600	43.5	2,000	47.5	2,200	105
110	34.0	1,300	39.5	1,600	43.5	1,800	110
115					38.5	1,400	115

⚠ WARNING
Do Not Lower 56 Ft. Offset Fly In Working Position Below 31.5 Degrees Unless Main Boom Length Is 60 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.

GENERAL INFORMATION ONLY

WORKING RANGE DIAGRAM



○ Denotes Main Boom + 56' Fly–Boom Mode "A"
● Denotes Main Boom + 56' Fly–Boom Mode "B"
□ Denotes Main Boom + 34' Fly–Boom Mode "A"
■ Denotes Main Boom + 34' Fly–Boom Mode "B"
△ Denotes Main Boom–Boom Mode "A"
▲ 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 As Shown In The Above Chart For The Boom Lengths Shown. Loss Of Stability Will Occur Causing A Tipping Condition.

GENERAL INFORMATION ONLY

Intermediate Extended Outriggers – 9,000# Counterweight

BOOM MODE "A"
9000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. 360°	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. 360°	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. 360°	Load Radius In Feet
10	65.5	119,000	73.5	75,300			10
12	62.0	107,900	71.0	75,300	74.5	74,900	12
15	56.0	76,100	67.0	75,300	71.5	74,900	15
20	45.0	42,800	60.5	42,800	66.0	42,800	20
25	30.0	28,300	53.5	28,400	60.5	28,400	25
30			45.5	20,300	54.5	20,300	30
35	See Operation Note 20.		36.0	15,100	48.5	15,100	35
40			23.0	11,500	41.0	11,600	40
45					32.5	8,900	45
50					21.0	6,900	50
Min. Boom Angle/Cap.	0°	22,100	0°	9,700	0°	5,800	Min. Boom Angle/Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. 360°	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. 360°	Load Radius In Feet
12	77.0	57,800			12
15	74.5	52,600	77.0	42,800	15
20	70.5	42,700	73.5	37,500	20
25	65.5	28,300	69.5	28,300	25
30	61.0	20,300	65.0	20,300	30
35	55.5	15,100	61.0	15,100	35
40	50.5	11,600	56.5	11,600	40
45	44.5	8,900	52.0	8,900	45
50	38.0	6,900	47.0	6,900	50
55	30.0	5,300	41.5	5,300	55
60	19.5	4,000	35.5	4,000	60
65			28.0	2,900	65
Min. Boom Angle/Cap.	0°	3,300	21°		Min. Boom Angle/Cap.

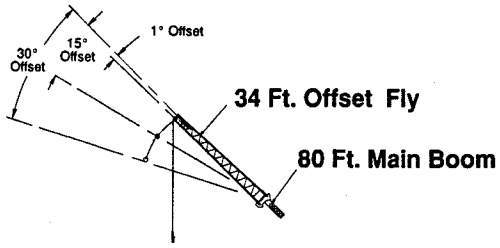
BOOM MODE "A"
9000# CTWT

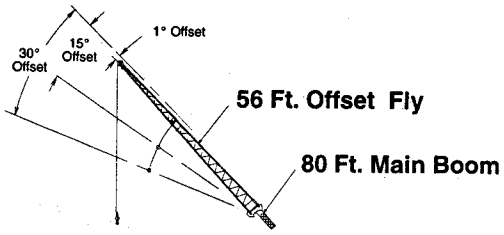
Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

90 Ft. To 110 Ft. Main Boom

Load Radius In Feet	90 Ft. Loaded Boom Angle (Deg.)	90 Ft. 360°	100 Ft. Loaded Boom Angle (Deg.)	100 Ft. 360°	110 Ft. Loaded Boom Angle (Deg.)	110 Ft. 360°	Load Radius In Feet
20	75.5	28,300	77.0	28,000			20
25	72.0	28,300	74.5	28,000	76.0	19,600	25
30	68.5	20,700	71.5	21,500	73.5	19,600	30
35	65.0	15,500	68.0	16,200	70.5	16,800	35
40	61.0	12,000	64.5	12,700	67.5	13,100	40
45	57.0	9,300	61.5	10,000	64.5	10,500	45
50	53.0	7,300	58.0	7,900	61.5	8,500	50
55	49.0	5,700	54.0	6,300	58.5	6,800	55
60	44.5	4,400	50.5	5,000	55.0	5,500	60
65	39.0	3,300	46.5	3,900	51.5	4,400	65
70	33.5	2,400	42.0	3,000	48.0	3,500	70
75			37.0	2,200	44.0	2,700	75
80					40.0	2,000	80
Min. Boom Angle/Cap.	31°		35°		38°		Min. Boom Angle/Cap.

GENERAL INFORMATION ONLY





BOOM MODE "A"
9000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

80 Ft. Main Boom + 34 Ft. Offset Fly

Load Radius In Feet	1° Offset Loaded Boom Angle (Deg.)	1° Offset 360°	15° Offset Loaded Boom Angle (Deg.)	15° Offset 360°	30° Offset Loaded Boom Angle (Deg.)	30° Offset 360°	Load Radius In Feet
25	76.0	20,400					25
30	73.5	18,700	77.5	14,000			30
35	71.0	17,300	75.0	12,900			35
40	68.0	13,700	72.0	12,000	76.0	9,400	40
45	65.0	11,000	69.5	11,200	73.0	8,900	45
50	62.0	8,900	66.5	10,000	70.5	8,500	50
55	59.0	7,300	63.5	8,200	67.5	8,200	55
60	56.0	5,900	60.5	6,700	64.0	7,400	60
65	53.0	4,800	57.0	5,500	61.0	6,100	65
70	49.5	3,900	53.5	4,500	57.0	5,000	70
75	46.0	3,100	50.0	3,600	53.5	4,100	75
80	42.0	2,400	46.0	2,900	49.5	3,200	80
85	38.0	1,800	42.0	2,200	45.0	2,500	85
90			37.5	1,600	40.5	1,900	90

⚠ WARNING
Do Not Lower 34 Ft. Offset Fly In Working Position Below 35 Degrees Unless Main Boom Length Is 66 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

BOOM MODE "A"
9000# CTWT

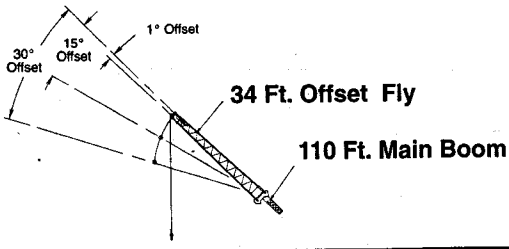
Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

80 Ft. Main Boom + 56 Ft. Offset Fly

Load Radius In Feet	1° Offset Loaded Boom Angle (Deg.)	1° Offset 360°	15° Offset Loaded Boom Angle (Deg.)	15° Offset 360°	30° Offset Loaded Boom Angle (Deg.)	30° Offset 360°	Load Radius In Feet
30	77.0	12,300					30
35	75.0	11,000					35
40	72.5	9,900	78.0°	7,300			40
45	70.5	9,100	76.0	6,800			45
50	68.0	8,300	73.5	6,400			50
55	66.0	7,700	71.5	6,000	77.0	4,900	55
60	63.5	6,800	69.0	5,700	74.5	4,700	60
65	61.0	5,700	66.5	5,400	72.0	4,500	65
70	58.5	4,700	64.0	5,100	69.5	4,300	70
75	55.5	3,900	61.5	4,800	67.0	4,100	75
80	53.0	3,200	59.0	4,000	64.0	4,000	80
85	50.0	2,600	56.0	3,300	61.5	3,900	85
90	47.0	2,000	53.0	2,700	58.0	3,300	90
95	44.0	1,600	50.0	2,100	55.0	2,600	95
100			46.5	1,600	51.0	2,100	100
105					47.5	1,600	105

⚠ WARNING
Do Not Lower 56 Ft. Offset Fly In Working Position Below 42 Degrees Unless Main Boom Length Is 60 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.



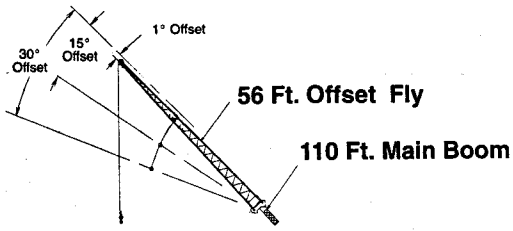
BOOM MODE "A" OR "B"
9000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

110 Ft. Main Boom + 34 Ft. Offset Fly

Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
30	77.5	10,000					30
35	75.5	10,000					35
40	74.0	10,000	77.0	9,500			40
45	72.0	9,400	75.0	8,600	78.0*	7,900	45
50	69.5	8,300	73.0	7,800	76.0	7,300	50
55	67.5	7,400	71.0	7,200	74.0	6,700	55
60	65.0	6,400	68.5	6,500	71.5	6,200	60
65	63.0	5,200	66.0	5,800	69.5	5,800	65
70	60.5	4,300	64.0	4,900	67.0	5,200	70
75	58.0	3,500	61.5	4,100	64.5	4,600	75
80	55.5	2,800	58.5	3,300	62.0	3,800	80
85	52.5	2,200	56.0	2,700	59.0	3,100	85
90	50.0	1,700	53.5	2,100	56.0	2,500	90
95			50.5	1,600	53.0	1,900	95

⚠ WARNING
Do Not Lower 34 Ft. Offset Fly In Working Position Below 48 Degrees Unless Main Boom Length Is 66 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.



BOOM MODE "A" OR "B"
9000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

110 Ft. Main Boom + 56 Ft. Offset Fly

Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
40	76.5	6,400					40
45	75.0	6,400					45
50	73.5	6,400	78.0*	6,100			50
55	71.5	6,100	76.5	5,500			55
60	70.0	5,600	74.5	5,100			60
65	68.0	5,100	72.5	4,600	77.0	4,300	65
70	66.0	4,700	71.0	4,300	75.5	3,900	70
75	64.0	4,000	69.0	3,900	73.5	3,700	75
80	62.0	3,300	67.0	3,700	71.5	3,400	80
85	60.0	2,700	65.0	3,400	69.0	3,200	85
90	57.5	2,100	62.5	2,800	67.0	2,900	90
95	55.5	1,700	60.5	2,300	65.0	2,700	95
100			58.0	1,800	62.5	2,400	100
105			55.5	1,400	60.0	1,900	105
110					57.5	1,400	110

⚠ WARNING
Do Not Lower 56 Ft. Offset Fly In Working Position Below 53 Degrees Unless Main Boom Length Is 60 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

BOOM MODE "B"
9000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft.		50 Ft.		60 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
10	65.5	119,000	73.5	75,300			10
12	62.0	107,900	71.0	75,300	74.5	45,300	12
15	56.0	76,100	67.5	75,300	71.5	38,900	15
20	45.0	42,800	60.5	44,100	66.0	31,700	20
25	30.0	28,300	53.5	29,500	60.5	26,300	25
30			45.5	21,400	55.0	21,800	30
35	See Operation Note 20.		36.0	16,100	48.5	16,500	35
40			23.0	12,500	41.0	12,800	40
45					32.5	10,200	45
50					21.0	8,100	50
Min. Boom Angle/Cap.	0°	22,100	0°	10,700	0°	7,100	Min. Boom Angle/Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft.		80 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
12	77.0	28,000			12
15	74.5	28,000	76.5	28,100	15
20	70.0	26,900	73.0	25,000	20
25	65.5	22,200	69.0	20,500	25
30	60.5	18,700	65.0	17,200	30
35	56.0	16,500	61.0	15,100	35
40	50.5	13,700	56.5	13,100	40
45	44.5	11,000	52.0	11,500	45
50	38.0	9,000	47.0	9,600	50
55	30.0	7,300	41.5	7,900	55
60	19.5	6,000	35.5	6,600	60
65			28.5	5,500	65
70			18.0	4,500	70
Min. Boom Angle/ Cap.	0°	5,300	0°	4,000	Min. Boom Angle/ Cap.

BOOM MODE "B"
9000# CTWT

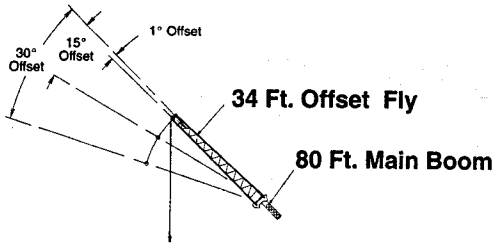
Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

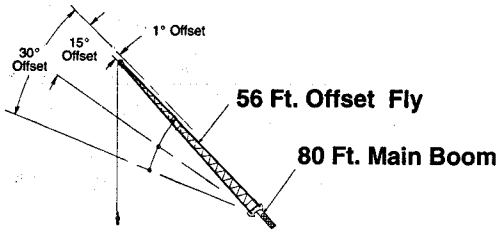
90 Ft. To 110 Ft. Main Boom

Load Radius In Feet	90 Ft.		100 Ft.		110 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
20	75.0	25,400	77.0	27,600			20
25	72.0	20,900	74.0	22,900	76.0	19,600	25
30	68.5	17,700	71.0	19,500	73.5	19,600	30
35	65.0	15,500	68.0	16,800	70.5	16,800	35
40	61.0	13,500	64.5	13,600	67.5	13,100	40
45	57.5	11,600	61.5	11,000	64.5	10,500	45
50	53.5	9,500	58.0	8,900	61.5	8,500	50
55	49.0	7,900	54.0	7,300	58.5	6,800	55
60	44.5	6,500	50.5	6,000	55.0	5,500	60
65	39.5	5,400	46.5	4,900	51.5	4,400	65
70	33.5	4,500	42.0	3,900	48.0	3,500	70
75	26.5	3,700	37.0	3,200	44.0	2,700	75
80	17.0	3,000	32.0	2,500	40.0	2,000	80
Min. Boom Angle/Cap.	0°	2,600	26°		38°		Min. Boom Angle/Cap.

GENERAL INFORMATION ONLY

NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.





BOOM MODE "B"
9000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

80 Ft. Main Boom + 34 Ft. Offset Fly

Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
25	76.0	17,500					25
30	73.5	15,800	78.0*	14,000			30
35	71.0	13,500	75.0	12,900			35
40	68.0	11,800	72.5	12,000	76.5	9,400	40
45	65.5	10,300	69.5	10,500	73.5	8,900	45
50	62.5	9,100	67.0	9,300	70.5	8,500	50
55	59.5	8,100	64.0	8,200	67.5	8,200	55
60	56.5	7,200	60.5	7,300	64.5	7,500	60
65	53.5	6,500	57.5	6,600	61.0	6,700	65
70	50.0	5,600	54.0	5,900	57.5	6,000	70
75	46.5	4,800	50.5	5,200	54.0	5,400	75
80	42.5	4,100	46.5	4,500	50.0	4,800	80
85	38.5	3,500	42.5	3,800	45.5	4,100	85
90	34.0	3,000	38.0	3,200	41.0	3,400	90
95	29.0	2,500	33.0	2,700	35.0	2,800	95
100	22.5	2,100	26.5	2,200	27.5	2,300	100
105	13.5	1,700	17.0	1,800			105
Min. Boom Angle/Cap.	0°	1,600	0°	1,600	0°	1,700	Min. Boom Angle/Cap.

BOOM MODE "B"
9000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

80 Ft. Main Boom + 56 Ft. Offset Fly

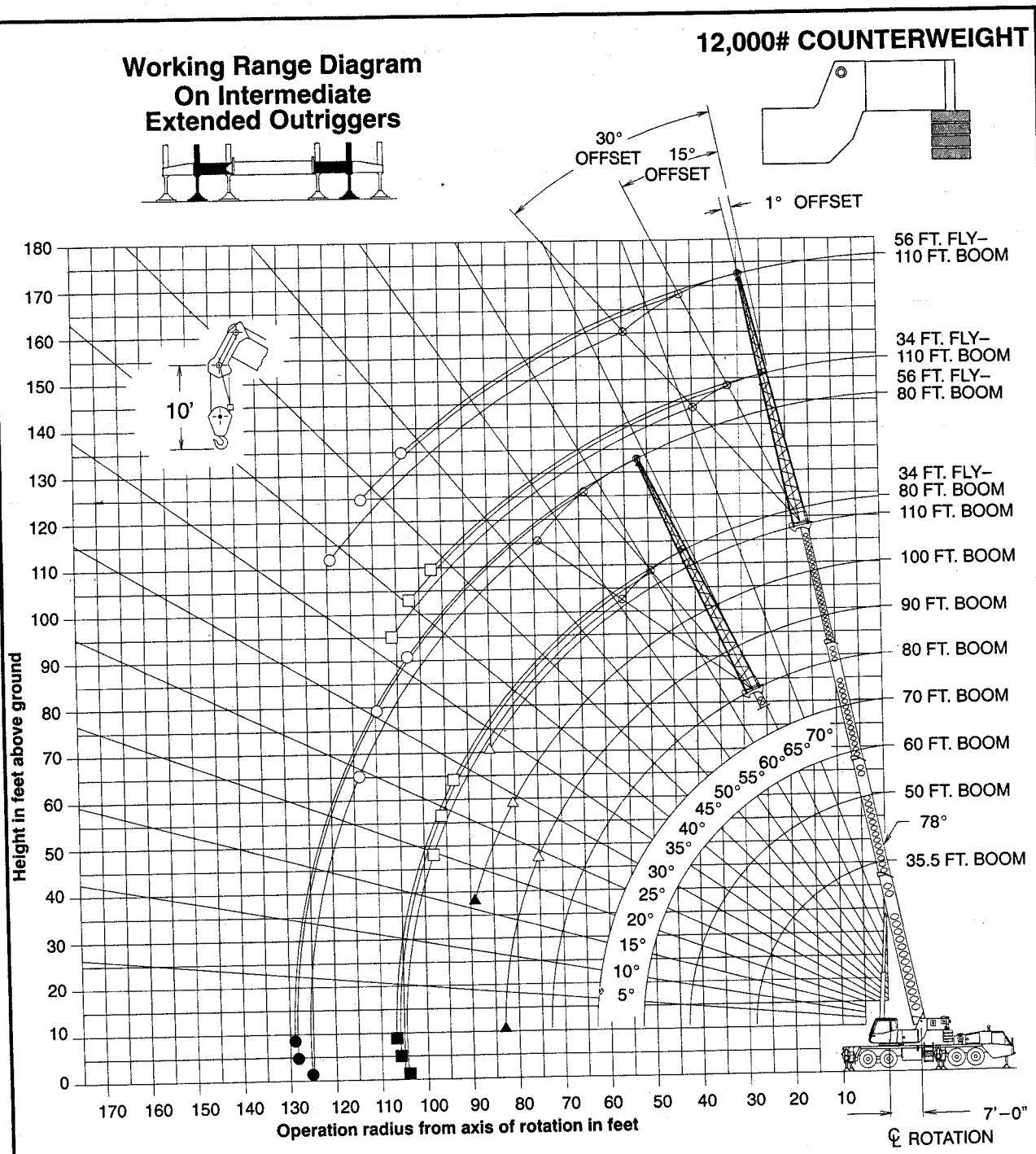
Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
30	77.0	10,700					30
35	75.5	10,700					35
40	73.0	9,900	78.0*	7,300			40
45	71.0	9,100	76.5	6,800			45
50	68.5	8,000	74.0	6,400			50
55	66.0	7,000	72.0	6,000	77.0	4,900	55
60	64.0	6,200	69.5	5,700	75.0	4,700	60
65	61.5	5,600	67.0	5,400	72.5	4,500	65
70	59.0	5,000	64.5	5,100	70.0	4,300	70
75	56.0	4,400	62.0	4,500	67.0	4,100	75
80	53.5	4,000	59.0	4,100	64.5	4,000	80
85	50.5	3,600	56.5	3,600	61.5	3,700	85
90	48.0	3,200	53.5	3,200	58.5	3,300	90
95	44.5	2,900	50.5	2,900	55.0	2,900	95
100	41.5	2,500	47.0	2,600	51.5	2,500	100
105	38.0	2,200	43.5	2,300	47.5	2,200	105
110	34.0	1,800	39.5	2,000	43.5	1,900	110
115	30.0	1,500	35.0	1,700	38.5	1,600	115
120			30.0	1,400	32.0	1,400	120

⚠ WARNING
Do Not Lower 56 Ft. Offset Fly In Working Position Below 23 Degrees Unless Main Boom Length Is 70 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.

GENERAL INFORMATION ONLY

WORKING RANGE DIAGRAM



○ Denotes Main Boom + 56' Fly–Boom Mode "A"
● Denotes Main Boom + 56' Fly–Boom Mode "B"
□ Denotes Main Boom + 34' Fly–Boom Mode "A"
■ Denotes Main Boom + 34' Fly–Boom Mode "B"
△ Denotes Main Boom–Boom Mode "A"
▲ 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 As Shown In The Above Chart For The Boom Lengths Shown. Loss Of Stability Will Occur Causing A Tipping Condition.

GENERAL INFORMATION ONLY

Intermediate Extended Outriggers – 12,000# Counterweight

BOOM MODE "A"
12000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. 360°	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. 360°	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. 360°	Load Radius In Feet
10	65.5	121,000	73.5	75,300			10
12	62.0	110,900	71.0	75,300	74.5	74,900	12
15	56.0	82,800	67.0	75,300	71.5	74,900	15
20	45.0	46,900	60.5	46,900	66.0	46,900	20
25	30.0	31,300	53.5	31,300	60.5	31,300	25
30			45.5	22,600	54.5	22,600	30
35	See Operation Note 20.		36.0	17,000	48.5	17,000	35
40			23.0	13,100	41.0	13,100	40
45					32.5	10,300	45
50					21.0	8,100	50
Min. Boom Angle/Cap.	0°	24,500	0°	11,200	0°	6,900	Min. Boom Angle/Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. 360°	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. 360°	Load Radius In Feet
12	77.0	57,800			12
15	74.5	52,600	77.0	42,800	15
20	70.5	45,200	73.5	37,500	20
25	65.5	31,300	69.5	31,200	25
30	61.0	22,600	65.5	22,600	30
35	56.0	17,000	61.0	17,000	35
40	50.5	13,100	56.5	13,100	40
45	44.5	10,300	52.0	10,300	45
50	38.0	8,100	47.0	8,100	50
55	30.0	6,400	41.5	6,400	55
60	19.5	5,000	35.5	5,000	60
65			28.5	3,800	65
70			18.0	2,800	70
Min. Boom Angle/Cap.	0°	4,200	0°	2,300	Min. Boom Angle/Cap.

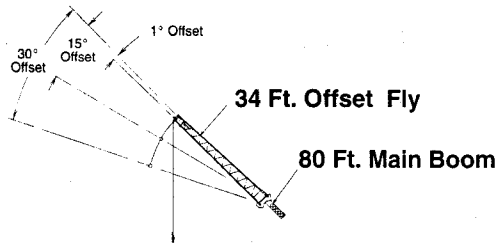
BOOM MODE "A"
12000# CTWT

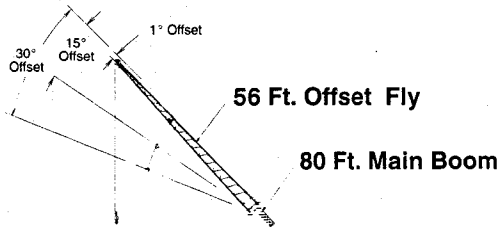
Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

90 Ft. To 110 Ft. Main Boom

Load Radius In Feet	90 Ft. Loaded Boom Angle (Deg.)	90 Ft. 360°	100 Ft. Loaded Boom Angle (Deg.)	100 Ft. 360°	110 Ft. Loaded Boom Angle (Deg.)	110 Ft. 360°	Load Radius In Feet
20	75.5	28,300	77.0	28,000			20
25	72.0	28,300	74.5	28,000	76.0	19,600	25
30	68.5	23,000	71.5	23,700	73.5	19,600	30
35	65.0	17,400	68.0	18,100	70.5	18,700	35
40	61.0	13,500	65.0	14,200	67.5	14,700	40
45	57.5	10,700	61.5	11,400	64.5	11,900	45
50	53.5	8,500	58.0	9,100	61.5	9,700	50
55	49.0	6,800	54.5	7,400	58.5	7,900	55
60	44.5	5,300	50.5	6,000	55.0	6,500	60
65	39.5	4,200	46.5	4,800	51.5	5,300	65
70	33.5	3,200	42.0	3,800	48.0	4,300	70
75	26.5	2,400	37.5	3,000	44.5	3,500	75
80			32.0	2,300	40.0	2,800	80
85					35.5	2,100	85
Min. Boom Angle/Cap.	24°		29.0		33°		Min. Boom Angle/Cap.

GENERAL INFORMATION ONLY





BOOM MODE "A"
12000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

80 Ft. Main Boom + 34 Ft. Offset Fly

Load Radius In Feet	1° Offset Loaded Boom Angle (Deg.)	1° Offset 360°	15° Offset Loaded Boom Angle (Deg.)	15° Offset 360°	30° Offset Loaded Boom Angle (Deg.)	30° Offset 360°	Load Radius In Feet
25	76.0	20,400					25
30	73.5	18,700	77.5	14,000			30
35	71.0	17,300	75.0	12,900			35
40	68.5	15,200	72.0	12,000	76.0	9,400	40
45	65.5	12,400	69.5	11,200	73.0	8,900	45
50	62.5	10,100	66.5	10,500	70.5	8,500	50
55	59.5	8,400	63.5	9,300	67.5	8,200	55
60	56.0	6,900	60.5	7,700	64.0	7,800	60
65	53.0	5,700	57.0	6,400	61.0	7,000	65
70	49.5	4,700	54.0	5,300	57.5	5,900	70
75	46.0	3,900	50.0	4,400	53.5	4,800	75
80	42.5	3,100	46.5	3,600	49.5	4,000	80
85	38.0	2,500	42.0	2,900	45.5	3,200	85
90	34.0	1,900	37.5	2,200	40.5	2,500	90
95			32.5	1,700	34.5	1,800	95

⚠ WARNING
Do Not Lower 34 Ft. Offset Fly In Working Position Below 29 Degrees Unless Main Boom Length Is 70 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

BOOM MODE "A"
12000# CTWT

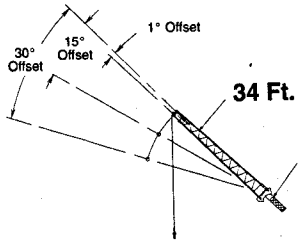
Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

80 Ft. Main Boom + 56 Ft. Offset Fly

Load Radius In Feet	1° Offset Loaded Boom Angle (Deg.)	1° Offset 360°	15° Offset Loaded Boom Angle (Deg.)	15° Offset 360°	30° Offset Loaded Boom Angle (Deg.)	30° Offset 360°	Load Radius In Feet
30	77.0	12,300					30
35	75.0	11,000					35
40	72.5	9,900	78.0°	7,300			40
45	70.5	9,100	76.0	6,800			45
50	68.0	8,300	73.5	6,400			50
55	66.0	7,700	71.5	6,000	77.0	4,900	55
60	63.5	7,100	69.0	5,700	74.5	4,700	60
65	61.5	6,600	66.5	5,400	72.0	4,500	65
70	58.5	5,500	64.0	5,100	69.5	4,300	70
75	56.0	4,700	61.5	4,800	67.0	4,100	75
80	53.0	3,900	59.0	4,600	64.0	4,000	80
85	50.5	3,200	56.0	3,900	61.5	3,900	85
90	47.5	2,700	53.0	3,300	58.5	3,700	90
95	44.5	2,200	50.0	2,700	55.0	3,200	95
100	41.0	1,700	46.5	2,200	51.5	2,600	100
105			43.0	1,700	47.5	2,100	105
110			39.0	1,300	43.0	1,600	110

⚠ WARNING
Do Not Lower 56 Ft. Offset Fly In Working Position Below 37 Degrees Unless Main Boom Length Is 65 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.



34 Ft. Offset Fly

110 Ft. Main Boom

BOOM MODE "A" OR "B"
12000# CTWT

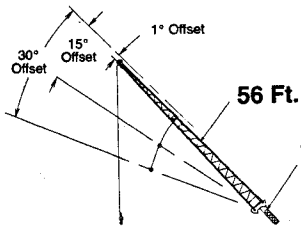
Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

110 Ft. Main Boom + 34 Ft. Offset Fly

Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
30	77.5	10,000					30
35	75.5	10,000					35
40	74.0	10,000	77.0	9,500			40
45	72.0	9,400	75.0	8,600	78.0*	7,900	45
50	69.5	8,300	73.0	7,800	76.0	7,300	50
55	67.5	7,400	71.0	7,200	74.0	6,700	55
60	65.0	6,600	68.5	6,500	71.5	6,200	60
65	63.0	5,900	66.0	5,800	69.5	5,800	65
70	60.5	5,100	64.0	5,300	67.0	5,200	70
75	58.0	4,300	61.5	4,700	64.5	4,700	75
80	55.5	3,500	59.0	4,000	62.0	4,300	80
85	53.0	2,900	56.5	3,300	59.5	3,800	85
90	50.0	2,300	53.5	2,700	56.5	3,100	90
95	47.5	1,800	50.5	2,200	53.5	2,500	95
100			47.5	1,700	50.5	2,000	100
105					47.0	1,500	105

⚠ WARNING

Do Not Lower 34 Ft. Offset Fly In Working Position Below 44 Degrees Unless Main Boom Length Is 70 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.



56 Ft. Offset Fly

110 Ft. Main Boom

BOOM MODE "A" OR "B"
12000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

110 Ft. Main Boom + 56 Ft. Offset Fly

Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
40	76.5	6,400					40
45	75.0	6,400					45
50	73.5	6,400	78.0*	6,100			50
55	71.5	6,100	76.5	5,500			55
60	70.0	5,600	74.5	5,100			60
65	68.0	5,100	72.5	4,600	77.0	4,300	65
70	66.0	4,700	71.0	4,300	75.5	3,900	70
75	64.0	4,300	69.0	3,900	73.5	3,700	75
80	62.0	4,000	67.0	3,700	71.5	3,400	80
85	60.0	3,300	65.0	3,400	69.0	3,200	85
90	58.0	2,800	63.0	3,200	67.0	2,900	90
95	55.5	2,300	60.5	2,900	65.0	2,700	95
100	53.5	1,800	58.5	2,400	62.5	2,600	100
105	51.0	1,400	56.0	1,900	60.5	2,400	105
110			53.5	1,500	57.5	2,000	110
115					55.0	1,500	115

⚠ WARNING

Do Not Lower 56 Ft. Offset Fly In Working Position Below 49 Degrees Unless Main Boom Length Is 65 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

BOOM MODE "B"
12000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft.		50 Ft.		60 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
10	65.5	121,000	73.5	75,300			10
12	62.0	110,000	71.0	75,300	74.5	45,300	12
15	56.0	82,800	67.5	75,300	71.5	38,900	15
20	45.0	46,900	60.5	48,200	66.0	31,700	20
25	30.0	31,300	53.5	32,500	60.5	26,300	25
30			45.5	23,700	55.0	22,500	30
35	See Operation Note 20.		36.0	18,000	48.5	18,400	35
40			23.0	14,000	41.5	14,400	40
45					33.0	11,600	45
50					21.0	9,300	50
Min. Boom Angle/Cap.	0°	24,500	0°	12,200	0°	8,200	Min. Boom Angle/Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft.		80 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
12	77.0	28,000			12
15	74.5	28,000	76.5	28,100	15
20	70.0	26,900	73.0	25,000	20
25	65.5	22,200	69.0	20,500	25
30	60.5	18,700	65.0	17,200	30
35	56.0	16,500	61.0	15,100	35
40	50.5	14,300	56.5	13,100	40
45	44.5	12,400	52.0	11,500	45
50	38.0	10,200	47.0	10,100	50
55	30.5	8,400	42.0	9,000	55
60	19.5	7,000	35.5	7,600	60
65			28.5	6,400	65
70			18.5	5,400	70
Min. Boom Angle/ Cap.	0°	6,200	0°	4,800	Min. Boom Angle/ Cap.

BOOM MODE "B"
12000# CTWT

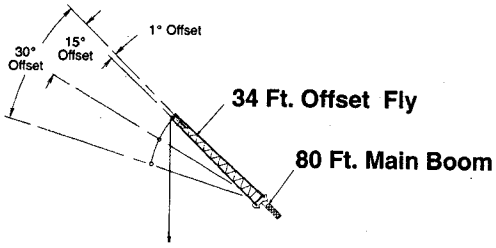
Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

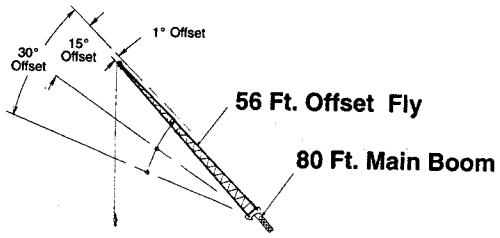
90 Ft. To 110 Ft. Main Boom

Load Radius In Feet	90 Ft.		100 Ft.		110 Ft.		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
20	75.0	25,400	77.0	27,600			20
25	72.0	20,900	74.0	22,900	76.0	19,600	25
30	68.5	17,700	71.0	19,500	73.5	19,600	30
35	65.0	15,500	68.0	16,800	70.5	18,700	35
40	61.0	13,500	65.0	15,000	67.5	14,700	40
45	57.5	11,800	61.5	12,400	64.5	11,900	45
50	53.5	10,500	58.0	10,200	61.5	9,700	50
55	49.0	9,000	54.5	8,400	58.5	7,900	55
60	44.5	7,500	50.5	7,000	55.0	6,500	60
65	39.5	6,300	46.5	5,800	51.5	5,300	65
70	33.5	5,300	42.0	4,800	48.0	4,300	70
75	27.0	4,500	37.5	3,900	44.5	3,500	75
80	17.5	3,700	32.0	3,200	40.0	2,800	80
85			25.5	2,600	35.5	2,100	85
Min. Boom Angle/ Cap.	0°	3,300	16°		33°		Min. Boom Angle/ Cap.

GENERAL INFORMATION ONLY

NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.





BOOM MODE "B"
12000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

80 Ft. Main Boom + 34 Ft. Offset Fly

Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
25	76.0	17,500					25
30	73.5	15,800	78.0*	14,000			30
35	71.0	13,500	75.0	12,900			35
40	68.0	11,800	72.5	12,000	76.5	9,400	40
45	65.5	10,300	69.5	10,500	73.5	8,900	45
50	62.5	9,100	67.0	9,300	70.5	8,500	50
55	59.5	8,100	64.0	8,200	67.5	8,200	55
60	56.5	7,200	60.5	7,300	64.5	7,500	60
65	53.5	6,500	57.5	6,600	61.0	6,700	65
70	50.0	5,800	54.0	5,900	57.5	6,000	70
75	46.5	5,300	50.5	5,300	54.0	5,400	75
80	43.0	4,800	47.0	4,800	50.0	4,900	80
85	38.5	4,200	42.5	4,400	46.0	4,400	85
90	34.0	3,600	38.0	3,900	41.0	4,000	90
95	29.0	3,100	33.0	3,300	35.0	3,400	95
100	23.0	2,700	26.5	2,800	28.0	2,900	100
105	13.5	2,300	17.0	2,300			105
Min. Boom Angle/Cap.	0°	2,100	0°	2,200	0°	2,300	Min. Boom Angle/Cap.

BOOM MODE "B"
12000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Intermediate Extended Outriggers
See Set Up Note 2.

80 Ft. Main Boom + 56 Ft. Offset Fly

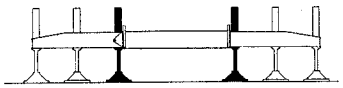
Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
30	77.0	10,700					30
35	75.5	10,700					35
40	73.0	9,900	78.0*	7,300			40
45	71.0	9,100	76.5	6,800			45
50	68.5	8,000	74.0	6,400			50
55	66.0	7,000	72.0	6,000	77.0	4,900	55
60	64.0	6,200	69.5	5,700	75.0	4,700	60
65	61.5	5,600	67.0	5,400	72.5	4,500	65
70	59.0	5,000	64.5	5,100	70.0	4,300	70
75	56.0	4,400	62.0	4,500	67.0	4,100	75
80	53.5	4,000	59.0	4,100	64.5	4,000	80
85	50.5	3,600	56.5	3,600	61.5	3,700	85
90	48.0	3,200	53.5	3,200	58.5	3,300	90
95	44.5	2,900	50.5	2,900	55.0	2,900	95
100	41.5	2,600	47.0	2,600	51.5	2,500	100
105	38.0	2,300	43.5	2,300	47.5	2,200	105
110	34.0	2,100	39.5	2,000	43.5	1,900	110
115	30.0	1,900	35.0	1,800	38.5	1,600	115
120	25.0	1,700	30.0	1,600	32.0	1,400	120
125	18.5	1,400	23.0	1,500	21.5	1,400	125
Min. Boom Angle/Cap.	0°	1,200	0°	1,300	0°	1,400	Min. Boom Angle/Cap.

NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.

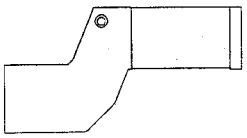
GENERAL INFORMATION ONLY

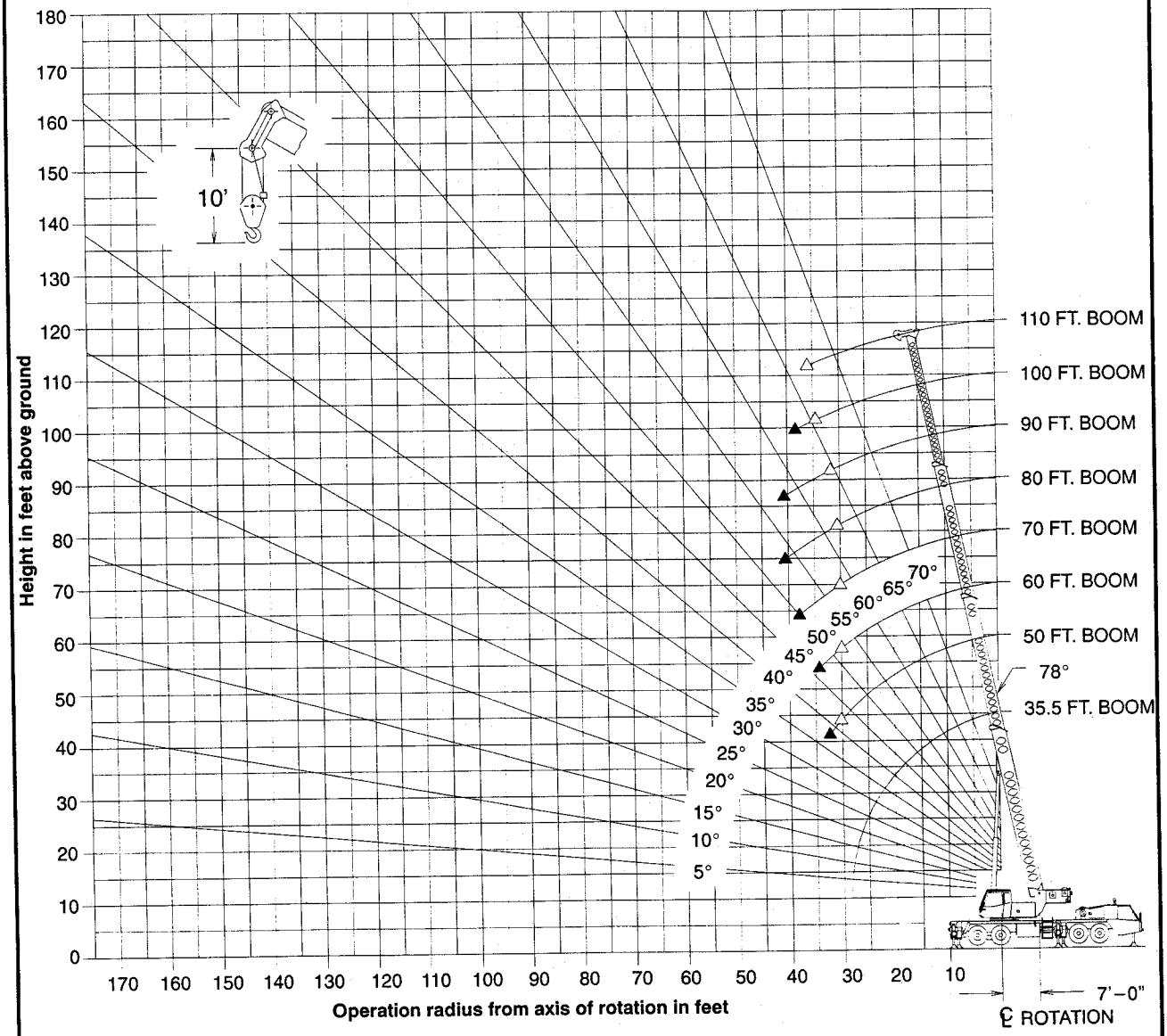
WORKING RANGE DIAGRAM

Working Range Diagram
On Fully Retracted Outriggers



0# COUNTERWEIGHT





△ **Denotes Main Boom–Boom Mode "A"**
▲ **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 As Shown In The Above Chart For The Boom Lengths Shown. Loss Of Stability Will Occur Causing A Tipping Condition.

GENERAL INFORMATION ONLY

Fully Retracted Outriggers – 0# Counterweight

BOOM MODE "A"
0# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Fully Retracted Outriggers
See Set Up Note 2.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. 360°	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. 360°	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. 360°	Load Radius In Feet
10	65.5	38,400	73.0	38,300			10
12	62.0	27,100	70.5	27,100	74.0	27,000	12
15	56.0	17,800	67.0	17,800	71.0	17,800	15
20	45.0	10,000	60.5	10,000	66.0	10,000	20
25	30.0	5,800	53.0	5,900	60.5	5,900	25
30	See Operation Note 20.		45.5	3,400	54.5	3,400	30
Min. Boom Angle/Cap.	0°	3,800	42°		52°		Min. Boom Angle/Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. 360°	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. 360°	Load Radius In Feet
12	76.5	27,000			12
15	74.0	17,700	76.5	17,700	15
20	69.5	10,000	72.5	10,000	20
25	65.0	5,900	68.5	5,900	25
30	60.5	3,400	64.5	3,400	30
35					35
Min. Boom Angle/Cap.	58°		62°		Min. Boom Angle/Cap.

BOOM MODE "A"
0# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Fully Retracted Outriggers
See Set Up Note 2.

90 Ft. To 110 Ft. Main Boom

Load Radius In Feet	90 Ft. Loaded Boom Angle (Deg.)	90 Ft. 360°	100 Ft. Loaded Boom Angle (Deg.)	100 Ft. 360°	110 Ft. Loaded Boom Angle (Deg.)	110 Ft. 360°	Load Radius In Feet
20	74.5	10,400	76.5	11,100			20
25	71.0	6,200	73.5	6,900	75.0	7,400	25
30	67.5	3,700	70.0	4,300	72.5	4,800	30
35			67.0	2,500	69.5	3,000	35
Min. Boom Angle/Cap.	64.5°		65.5°		67°		Min. Boom Angle/Cap.

BOOM MODE "B"
0# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Fully Retracted Outriggers
See Set Up Note 2.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. 360°	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. 360°	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. 360°	Load Radius In Feet
10	65.5	38,400	73.0	39,700			10
12	62.0	27,100	70.5	28,300	74.0	28,700	12
15	56.0	17,800	67.0	18,900	71.0	19,300	15
20	45.0	10,000	60.5	11,000	66.0	11,300	20
25	30.0	5,800	53.0	6,800	60.5	7,100	25
30			45.5	4,200	54.5	4,500	30
35	See Operation Note 20.				48.0	2,700	35
Min. Boom Angle/Cap.	0°	3,800	38°		46.5°		Min. Boom Angle/Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. 360°	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. 360°	Load Radius In Feet
12	77.0	28,000			12
15	74.0	20,200	76.5	20,900	15
20	69.5	12,200	72.5	12,700	20
25	65.0	7,900	68.5	8,500	25
30	60.5	5,200	64.5	5,800	30
35	55.5	3,400	60.5	4,000	35
40			56.0	2,700	40
Min. Boom Angle/Cap.	50°		53.5°		Min. Boom Angle/Cap.

BOOM MODE "B"
0# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Fully Retracted Outriggers
See Set Up Note 2.

90 Ft. To 110 Ft. Main Boom

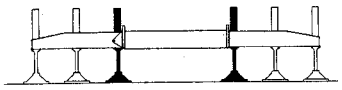
Load Radius In Feet	90 Ft. Loaded Boom Angle (Deg.)	90 Ft. 360°	100 Ft. Loaded Boom Angle (Deg.)	100 Ft. 360°	110 Ft. Loaded Boom Angle (Deg.)	110 Ft. 360°	Load Radius In Feet
20	74.5	12,700	76.5	12,100			20
25	71.5	8,400	73.5	7,800	75.0	7,400	25
30	68.0	5,700	70.0	5,200	72.5	4,800	30
35	64.0	3,900	67.0	3,400	69.5	3,000	35
40	60.5	2,600					40
Min. Boom Angle/Cap.	58°		63°		67°		Min. Boom Angle/Cap.

GENERAL INFORMATION ONLY

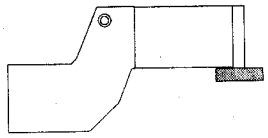
NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.

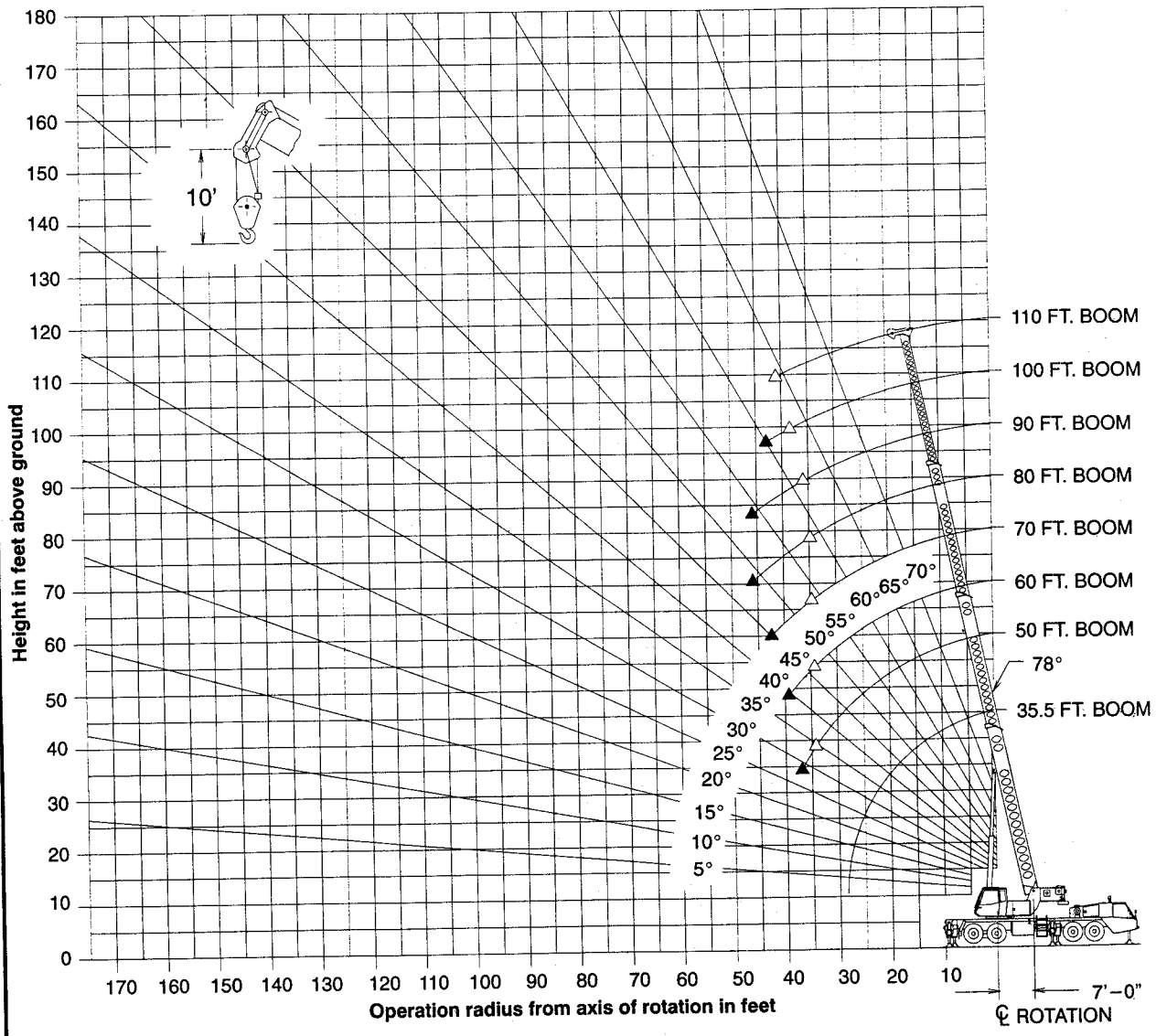
WORKING RANGE DIAGRAM

Working Range Diagram
On Fully Retracted Outriggers



3000# COUNTERWEIGHT





△ **Denotes Main Boom–Boom Mode "A"**
▲ **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 As Shown In The Above Chart For The Boom Lengths Shown. Loss Of Stability Will Occur Causing A Tipping Condition.

ENERAL INFORMATION ONL

Fully Retracted Outriggers – 3,000# Counterweight

BOOM MODE "A"
3000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Fully Retracted Outriggers
See Set Up Note 2.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. 360°	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. 360°	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. 360°	Load Radius In Feet
10	65.5	44,500	73.0	44,500			10
12	62.0	31,800	70.5	31,700	74.0	31,700	12
15	56.0	21,200	67.0	21,200	71.0	21,200	15
20	45.0	12,400	60.5	12,400	66.0	12,400	20
25	30.0	7,600	53.0	7,700	60.5	7,700	25
30			45.5	4,800	54.5	4,800	30
35	See Operation Note 20.		36.0	2,800	48.0	2,900	35
Min. Boom Angle/Cap.	0°	5,300	34.5°		46.5°		Min. Boom Angle/Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. 360°	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. 360°	Load Radius In Feet
12	77.0	31,600			12
15	74.0	21,200	76.5	21,100	15
20	69.5	12,400	72.5	12,400	20
25	65.0	7,700	68.5	7,700	25
30	60.5	4,800	64.5	4,800	30
35	55.5	2,900	60.5	2,800	35
40					40
Min. Boom Angle/Cap.	53.5°		58.5°		Min. Boom Angle/Cap.

BOOM MODE "A"
3000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Fully Retracted Outriggers
See Set Up Note 2.

90 Ft. To 110 Ft. Main Boom

Load Radius In Feet	90 Ft. Loaded Boom Angle (Deg.)	90 Ft. 360°	100 Ft. Loaded Boom Angle (Deg.)	100 Ft. 360°	110 Ft. Loaded Boom Angle (Deg.)	110 Ft. 360°	Load Radius In Feet
20	74.5	12,700	76.5	13,300			20
25	71.5	8,000	73.5	8,700	75.0	9,200	25
30	68.0	5,100	70.5	5,700	72.5	6,200	30
35	64.0	3,200	67.0	3,700	69.5	4,200	35
40					66.5	2,700	40
Min. Boom Angle/Cap.	61.5		63°		64°		Min. Boom Angle/Cap.

BOOM MODE "B"
3000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Fully Retracted Outriggers
See Set Up Note 2.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. 360°	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. 360°	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. 360°	Load Radius In Feet
10	65.5	44,500	73.0	45,900			10
12	62.0	31,800	70.5	32,900	74.5	33,400	12
15	56.0	21,200	67.0	22,300	71.0	22,700	15
20	45.0	12,400	60.5	13,300	66.0	13,600	20
25	30.0	7,600	53.5	8,600	60.5	8,900	25
30			45.5	5,600	54.5	5,900	30
35	See Operation Note 20.		36.0	3,600	48.0	3,900	35
40					41.0	2,500	40
Min. Boom Angle/Cap.	0°	5,300	28.5°		39.5°		Min. Boom Angle/Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. 360°	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. 360°	Load Radius In Feet
12	77.0	28,000			12
15	74.0	23,600	76.5	24,300	15
20	69.5	14,400	72.5	15,100	20
25	65.0	9,700	68.5	10,300	25
30	60.5	6,700	64.5	7,200	30
35	55.5	4,700	60.5	5,200	35
40	50.0	3,200	56.0	3,700	40
45			51.5	2,600	45
Min. Boom Angle/Cap.	45°		48.5°		Min. Boom Angle/Cap.

BOOM MODE "B"
3000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Fully Retracted Outriggers
See Set Up Note 2.

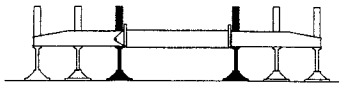
90 Ft. To 110 Ft. Main Boom

Load Radius In Feet	90 Ft. Loaded Boom Angle (Deg.)	90 Ft. 360°	100 Ft. Loaded Boom Angle (Deg.)	100 Ft. 360°	110 Ft. Loaded Boom Angle (Deg.)	110 Ft. 360°	Load Radius In Feet
20	75.0	15,000	76.5	14,400			20
25	71.5	10,200	73.5	9,600	75.0	9,200	25
30	68.0	7,200	70.5	6,600	72.5	6,200	30
35	64.0	5,100	67.0	4,600	69.5	4,200	35
40	60.5	3,600	64.0	3,200	66.5	2,700	40
45	56.5	2,500					45
Min. Boom Angle/Cap.	54°		60°		64°		Min. Boom Angle/Cap.

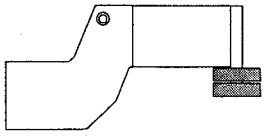
NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.

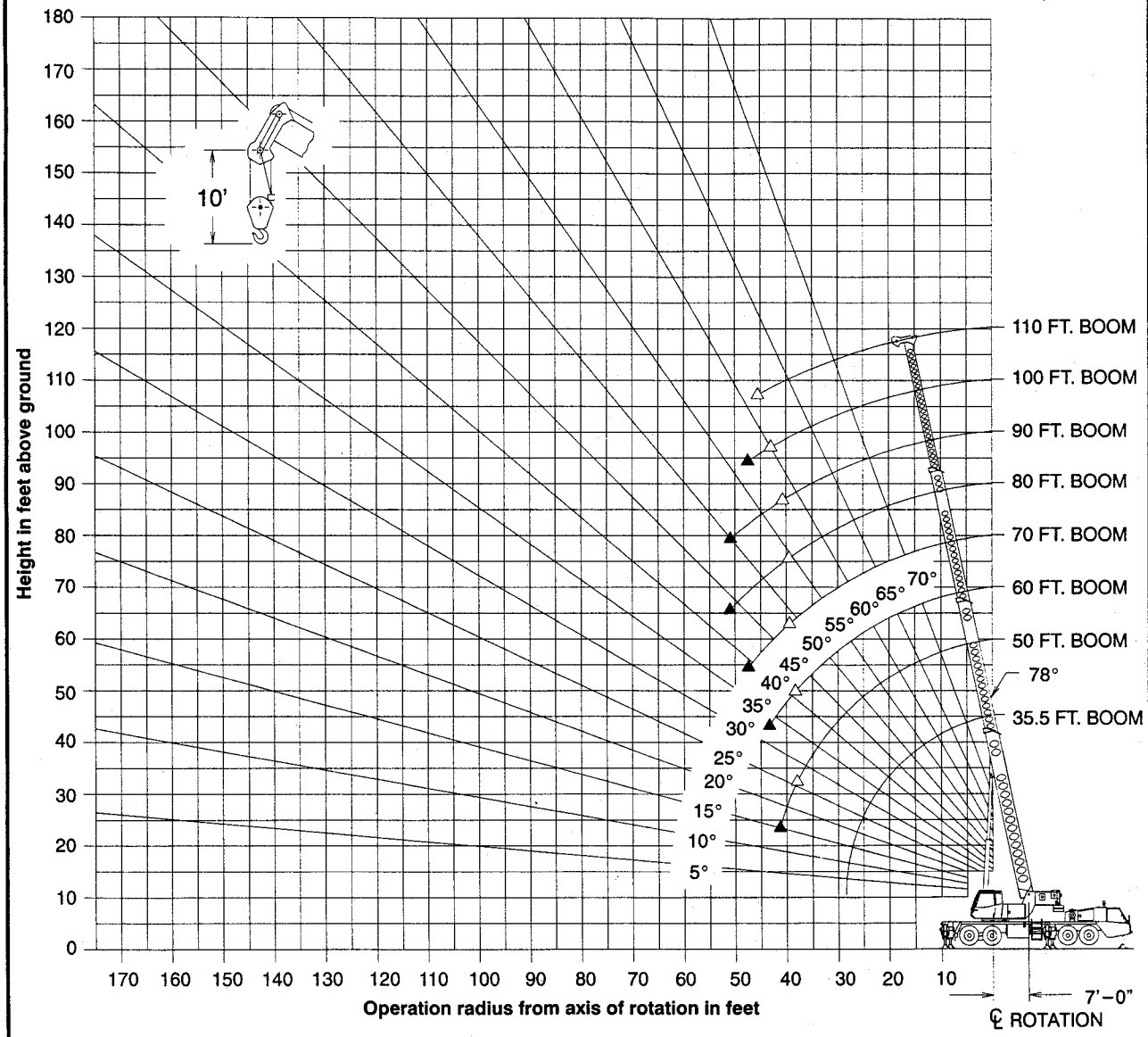
WORKING RANGE DIAGRAM

Working Range Diagram
On Fully Retracted Outriggers



6000# COUNTERWEIGHT





△ **Denotes Main Boom–Boom Mode "A"**
▲ **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 As Shown In The Above Chart For The Boom Lengths Shown. Loss Of Stability Will Occur Causing A Tipping Condition.

GENERAL INFORMATION ONLY

Fully Retracted Outriggers – 6,000# Counterweight

BOOM MODE "A"
6000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Fully Retracted Outriggers
See Set Up Note 2.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. 360°	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. 360°	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. 360°	Load Radius In Feet
10	65.5	50,800	73.0	50,700			10
12	62.0	36,500	70.5	36,400	74.5	36,400	12
15	56.0	24,700	67.0	24,600	71.0	24,600	15
20	45.0	14,700	60.5	14,700	66.0	14,700	20
25	30.0	9,400	53.0	9,500	60.5	9,500	25
30			45.5	6,300	54.5	6,300	30
35	See Operation Note 20.		36.0	4,100	48.0	4,100	35
Min. Boom Angle/Cap.	0°	6,900	26°		41°		Min. Boom Angle/Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. 360°	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. 360°	Load Radius In Feet
12	77.0	36,300			12
15	74.0	24,600	76.5	24,500	15
20	69.5	14,700	72.5	14,600	20
25	65.0	9,500	68.5	9,500	25
30	60.5	6,300	64.5	6,300	30
35	55.5	4,100	60.5	4,100	35
40	50.0	2,500	56.0	2,500	40
45					45
Min. Boom Angle/Cap.	48.5°		54.5°		Min. Boom Angle/Cap.

BOOM MODE "A"
6000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Fully Retracted Outriggers
See Set Up Note 2.

90 Ft. To 110 Ft. Main Boom

Load Radius In Feet	90 Ft. Loaded Boom Angle (Deg.)	90 Ft. 360°	100 Ft. Loaded Boom Angle (Deg.)	100 Ft. 360°	110 Ft. Loaded Boom Angle (Deg.)	110 Ft. 360°	Load Radius In Feet
20	75.0	15,000	76.5	15,700			20
25	71.5	9,800	73.5	10,500	75.5	11,000	25
30	68.0	6,600	70.5	7,200	72.5	7,700	30
35	64.5	4,400	67.0	5,000	69.5	5,400	35
40	60.5	2,800	64.0	3,300	66.5	3,800	40
45					63.5	2,600	45
Min. Boom Angle/Cap.	58°		60°		61.5°		Min. Boom Angle/Cap.

BOOM MODE "B"
6000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Fully Retracted Outriggers
See Set Up Note 2.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. 360°	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. 360°	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. 360°	Load Radius In Feet
10	65.5	50,800	73.5	52,000			10
12	62.0	36,500	71.0	37,600	74.5	38,100	12
15	56.0	24,700	67.0	25,600	71.0	26,000	15
20	45.0	14,700	60.5	15,600	66.0	16,000	20
25	30.0	9,400	53.5	10,400	60.5	10,700	25
30			45.5	7,100	54.5	7,400	30
35	See Operation Note 20.		36.0	4,800	48.0	5,200	35
40			23.0	3,200	41.0	3,500	40
Min. Boom Angle/Cap.	0°	6,900	15°		33°		Min. Boom Angle/Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. 360°	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. 360°	Load Radius In Feet
12	77.0	28,000			12
15	74.0	27,000	76.5	27,700	15
20	70.0	16,800	72.5	17,400	20
25	65.0	11,500	68.5	12,100	25
30	60.5	8,100	64.5	8,700	30
35	55.5	5,900	60.5	6,400	35
40	50.0	4,200	56.0	4,800	40
45	44.5	3,000	51.5	3,500	45
50			46.5	2,500	50
Min. Boom Angle/Cap.	39°		43.5°		Min. Boom Angle/Cap.

BOOM MODE "B"
6000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Fully Retracted Outriggers
See Set Up Note 2.

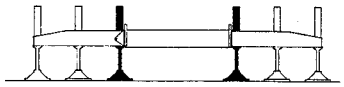
90 Ft. To 110 Ft. Main Boom

Load Radius In Feet	90 Ft. Loaded Boom Angle (Deg.)	90 Ft. 360°	100 Ft. Loaded Boom Angle (Deg.)	100 Ft. 360°	110 Ft. Loaded Boom Angle (Deg.)	110 Ft. 360°	Load Radius In Feet
20	75.0	17,300	76.5	16,700			20
25	72.0	12,000	73.5	11,400	75.5	11,000	25
30	68.0	8,600	70.5	8,100	72.5	7,700	30
35	64.5	6,300	67.0	5,800	69.5	5,400	35
40	60.5	4,700	64.0	4,200	66.5	3,800	40
45	57.0	3,500	60.5	3,000	63.5	2,600	45
50	52.5	2,500					50
Min. Boom Angle/Cap.	50°		57°		61.5°		Min. Boom Angle/Cap.

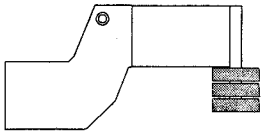
NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.

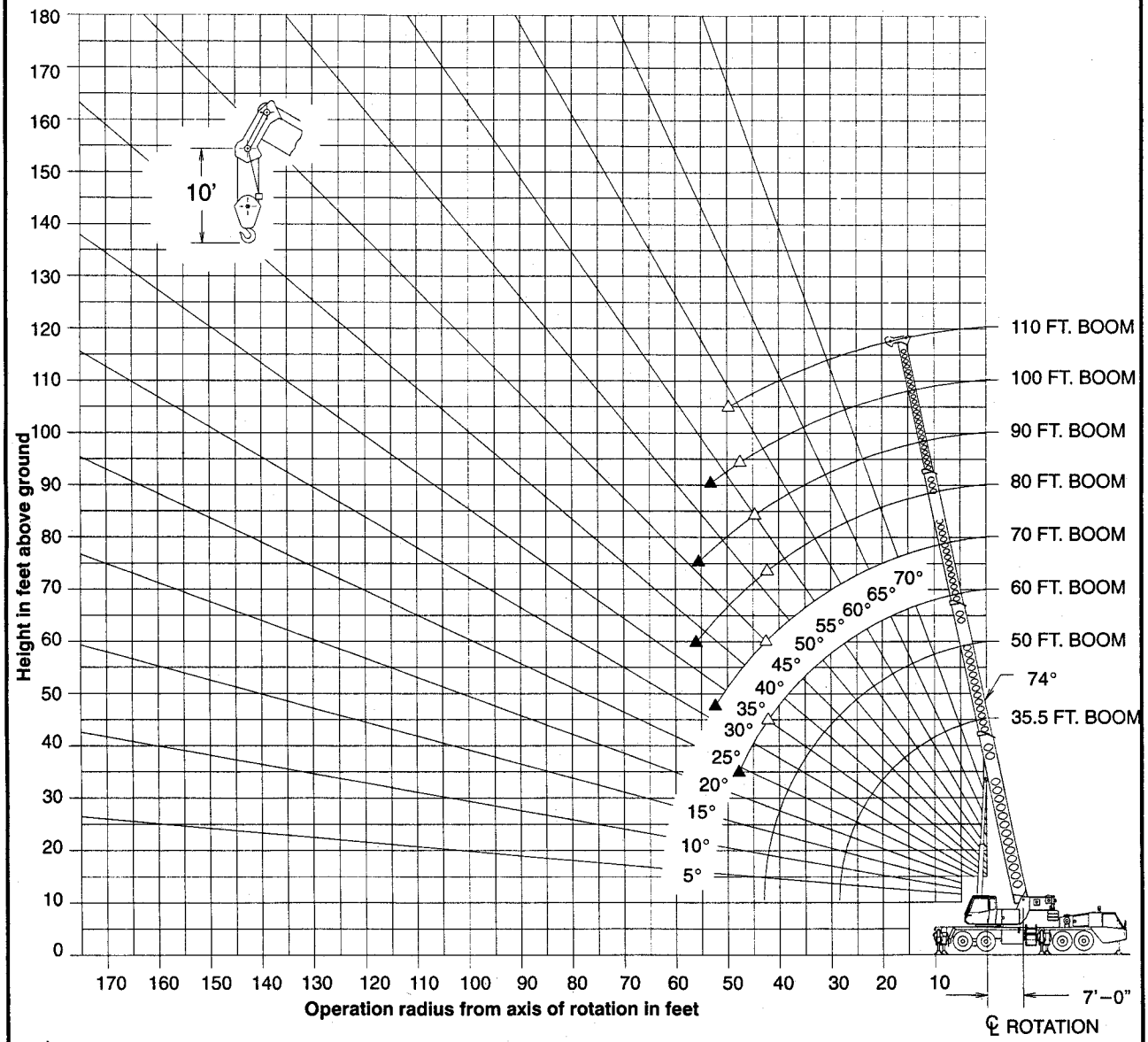
WORKING RANGE DIAGRAM

Working Range Diagram
On Fully Retracted Outriggers



9000# COUNTERWEIGHT





△ **Denotes Main Boom–Boom Mode "A"**
▲ **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, Or Raise Boom Above 74°, As Shown In The Above Chart For The Boom Lengths Shown. Loss Of Stability Will Occur Causing A Tipping Condition.

GENERAL INFORMATION ONLY

Fully Retracted Outriggers – 9,000# Counterweight

BOOM MODE "A"
9000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Fully Retracted Outriggers
See Set Up Note 2.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. 360°	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. 360°	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. 360°	Load Radius In Feet
10	65.5	56,900	73.0	56,800			10
12	62.0	41,100	71.0	41,000			12
15	56.0	28,000	67.0	28,000	71.0	28,000	15
20	45.0	17,000	60.5	17,100	66.0	17,000	20
25	30.0	11,200	53.5	11,300	60.5	11,300	25
30			45.5	7,700	54.5	7,700	30
35	See Operation Note 20.		36.0	5,300	48.0	5,300	35
40			23.0	3,500	41.0	3,500	40
Min. Boom Angle/Cap.	0°	8,400	0°	2,600	35°		Min. Boom Angle/Cap.

⚠ WARNING
Do not raise the boom above 74 degrees. Loss of backward stability will occur causing a tipping situation.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. 360°	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. 360°	Load Radius In Feet
20	70.0	17,000	72.5	17,000	20
25	65.0	11,300	68.5	11,300	25
30	60.5	7,700	64.5	7,700	30
35	55.5	5,300	60.5	5,300	35
40	50.0	3,500	56.0	3,500	40
Min. Boom Angle/Cap.	45°		52°		Min. Boom Angle/Cap.

⚠ WARNING
Do not raise the boom above 74 degrees. Loss of backward stability will occur causing a tipping situation.

BOOM MODE "A"
9000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Fully Retracted Outriggers
See Set Up Note 2.

90 Ft. To 110 Ft. Main Boom

Load Radius In Feet	90 Ft. Loaded Boom Angle (Deg.)	90 Ft. 360°	100 Ft. Loaded Boom Angle (Deg.)	100 Ft. 360°	110 Ft. Loaded Boom Angle (Deg.)	110 Ft. 360°	Load Radius In Feet
25	71.5	11,600	73.5	12,200			25
30	68.0	8,000	70.5	8,600	72.5	9,100	30
35	64.5	5,600	67.5	6,200	69.5	6,600	35
40	60.5	3,800	64.0	4,400	67.0	4,800	40
45	57.0	2,500	60.5	3,000	64.0	3,500	45
50					61.0	2,400	50
Min. Boom Angle/Cap.	55°		57°		59°		Min. Boom Angle/Cap.

⚠ WARNING
Do not raise the boom above 74 degrees. Loss of backward stability will occur causing a tipping situation.

BOOM MODE "B"
9000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Fully Retracted Outriggers
See Set Up Note 2.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. 360°	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. 360°	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. 360°	Load Radius In Feet
10	65.5	56,900	73.5	58,200			10
12	62.0	41,100	71.0	42,200			12
15	56.0	28,000	67.0	29,000	71.5	29,400	15
20	45.0	17,000	60.5	18,000	66.0	18,300	20
25	30.0	11,200	53.5	12,200	60.5	12,500	25
30			45.5	8,500	54.5	8,900	30
35	See Operation Note 20.		36.0	6,100	48.0	6,400	35
40			23.0	4,300	41.0	4,600	40
45					32.5	3,200	45
Min. Boom Angle/ Cap.	0°	8,400	0°	3,400	24°		Min. Boom Angle/ Cap.

⚠ WARNING
Do not raise the boom above 74 degrees. Loss of backward stability will occur causing a tipping situation.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. 360°	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. 360°	Load Radius In Feet
20	70.0	19,100	73.0	19,800	20
25	65.0	13,200	69.0	13,800	25
30	60.5	9,600	65.0	10,100	30
35	55.5	7,100	60.5	7,600	35
40	50.0	5,300	56.5	5,800	40
45	44.5	3,900	51.5	4,400	45
50	38.0	2,900	47.0	3,400	50
55			41.5	2,500	55
Min. Boom Angle/Cap.	32°		38°		Min. Boom Angle/Cap.

⚠ WARNING
Do not raise the boom above 74 degrees. Loss of backward stability will occur causing a tipping situation.

BOOM MODE "B"
9000# CTWT

Maximum Allowable Lifting Capacities
Rated Lifting Capacities In Pounds
On Fully Retracted Outriggers
See Set Up Note 2.

90 Ft. To 110 Ft. Main Boom

Load Radius In Feet	90 Ft. Loaded Boom Angle (Deg.)	90 Ft. 360°	100 Ft. Loaded Boom Angle (Deg.)	100 Ft. 360°	110 Ft. Loaded Boom Angle (Deg.)	110 Ft. 360°	Load Radius In Feet
25	71.5	13,700	73.5	13,100			25
30	68.0	10,100	70.5	9,500	72.5	9,100	30
35	64.5	7,600	67.5	7,100	69.5	6,600	35
40	60.5	5,700	64.0	5,300	67.0	4,800	40
45	57.0	4,400	60.5	3,900	64.0	3,500	45
50	53.0	3,300	57.5	2,800	61.0	2,400	50
55	48.5	2,400					55
Min. Boom Angle/ Cap.	46°		53°		59°		Min. Boom Angle/ Cap.

⚠ WARNING
Do not raise the boom above 74 degrees. Loss of backward stability will occur causing a tipping situation.

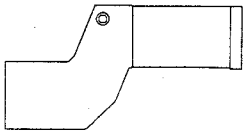
GENERAL INFORMATION ONLY

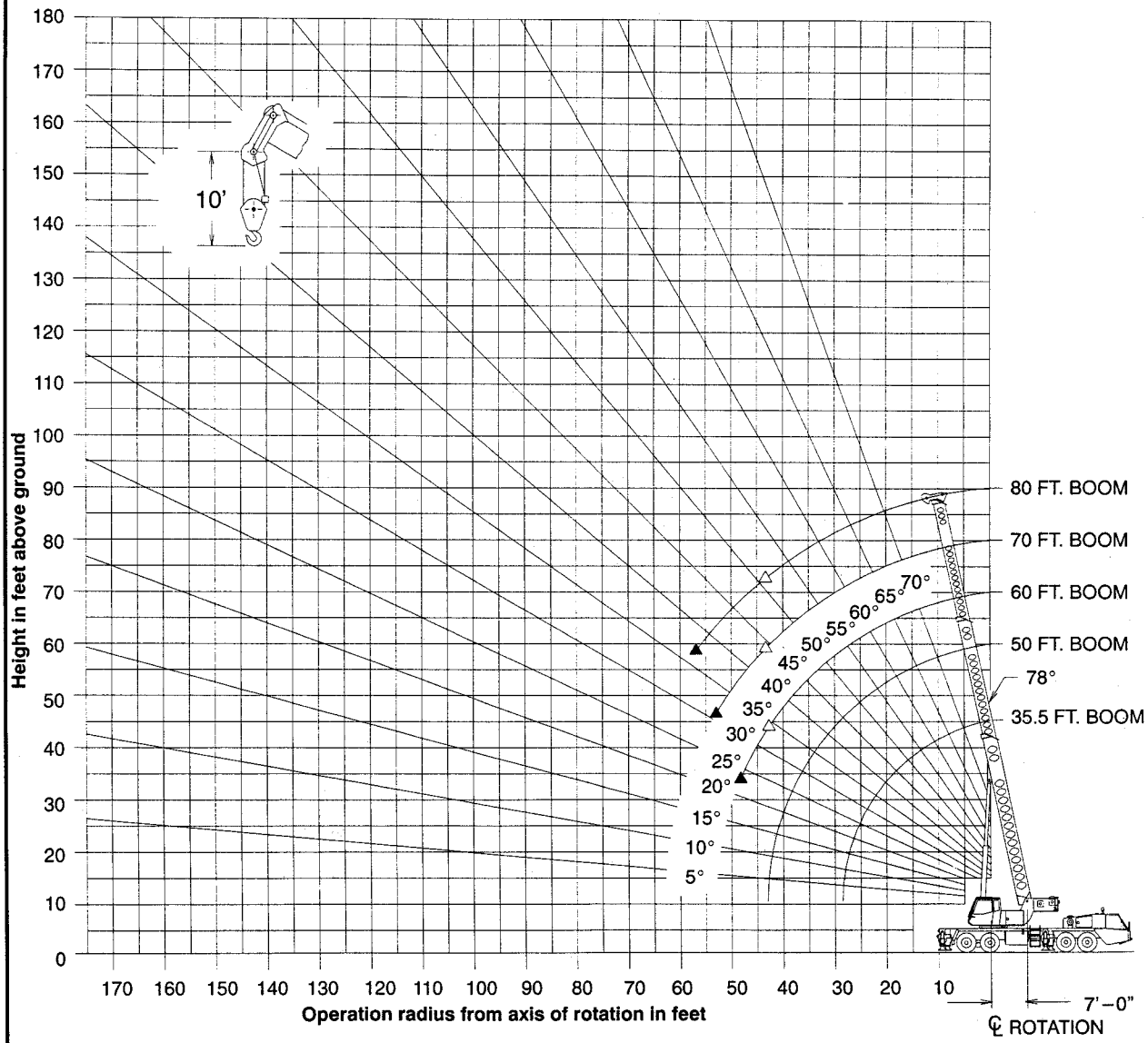
NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.

WORKING RANGE DIAGRAM

Working Range Diagram
On Tires

0# COUNTERWEIGHT





△ Denotes Main Boom–Boom Mode "A"
▲ Denotes Main Boom–Boom 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 As Shown In The Above Chart For The Boom Lengths Shown. Loss Of Stability Will Occur Causing A Tipping Condition.

GENERAL INFORMATION ONLY

On Tires – 0# Counterweight – Stationary

BOOM MODE "A"
0# CTWT

On Tire Capacities In Pounds
Tire Pressure: See Page 8.
Stationary Capacities – Boom Centered Over Rear
See Operation Note 22.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. Load	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. Load	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. Load	Load Radius In Feet
10	65.5	35,400					10
12	62.0	32,200					12
15	56.0	25,800	67.0	25,800			15
20	45.0	16,400	60.5	16,400	66.0	16,300	20
25	30.0	11,100	53.5	11,100	60.5	11,100	25
30			45.5	7,800	54.5	7,800	30
35	See Operation Note 20.		36.0	5,400	48.5	5,400	35
40			23.0	3,700	41.0	3,700	40
Min. Boom Angle/Cap.	0°	8,400	0°	2,800	34°		Min. Boom Angle/Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. Over Rear	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. Over Rear	Load Radius In Feet
25	65.5	11,100			25
30	60.5	7,800	65.0	7,700	30
35	55.5	5,400	61.0	5,400	35
40	50.5	3,700	56.5	3,700	40
Min. Boom Angle/Cap.	44°		51°		Min. Boom Angle/Cap.

BOOM MODE "B"
0# CTWT

On Tire Capacities In Pounds
Tire Pressure: See Page 8.
Stationary Capacities – Boom Centered Over Rear
See Operation Note 22.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. Load	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. Load	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. Load	Load Radius In Feet
10	65.5	35,400					10
12	62.0	32,200					12
15	56.0	25,800	67.0	26,700			15
20	45.0	16,400	60.5	17,200	66.0	17,500	20
25	30.0	11,100	53.5	11,900	60.5	12,200	25
30			45.5	8,500	54.5	8,800	30
35	See Operation Note 20.		36.0	6,200	48.5	6,500	35
40			23.0	4,400	41.0	4,700	40
45					32.5	3,400	45
Min. Boom Angle/Cap.	0°	8,400	0°	3,500	23°		Min. Boom Angle/Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. Over Rear	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. Over Rear	Load Radius In Feet
25	65.5	12,900			25
30	60.5	9,500	65.0	10,100	30
35	55.5	7,100	61.0	7,700	35
40	50.5	5,400	56.5	5,900	40
45	44.5	4,100	52.0	4,600	45
50	38.0	3,000	47.0	3,500	50
55			41.5	2,600	55
Min. Boom Angle/Cap.	31°		37°		Min. Boom Angle/Cap.

On Tires – 0# Counterweight – Pick & Carry

BOOM MODE "A"
0# CTWT

On Tire Capacities In Pounds
Tire Pressure: See Page 8.
Pick & Carry Capacities – (2.5 MPH) Boom Centered Over Rear
See Operation Note 22.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. Load	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. Load	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. Load	Load Radius In Feet
10	65.5	20,400					10
12	62.0	18,300					12
15	56.0	15,700	67.0	15,600			15
20	45.0	12,200	60.5	12,200	66.0	12,200	20
25	30.0	9,500	53.5	9,600	60.5	9,600	25
30			45.5	7,500	54.5	7,500	30
35	See Operation Note 20.		36.0	5,400	48.0	5,400	35
40			23.0	3,700	41.0	3,700	40
Min. Boom Angle/Cap.	0°	7,900	0°	2,800	34°		Min. Boom Angle/Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. Over Rear	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. Over Rear	Load Radius In Feet
25	65.0	9,500			25
30	60.5	7,500	64.5	7,500	30
35	55.5	5,400	60.5	5,400	35
40	50.0	3,700	56.0	3,700	40
Min. Boom Angle/Cap.	44°		51.0		Min. Boom Angle/Cap.

BOOM MODE "B"
0# CTWT

On Tire Capacities In Pounds
Tire Pressure: See Page 8.
Pick & Carry Capacities – (2.5 MPH) Boom Centered Over Rear
See Operation Note 22.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. Load	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. Load	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. Load	Load Radius In Feet
10	65.5	20,400					10
12	62.0	18,300					12
15	56.0	15,700	67.0	15,700			15
20	45.0	12,200	60.5	12,200	66.0	12,200	20
25	30.0	9,500	53.5	9,500	60.5	9,500	25
30			45.5	8,100	54.5	8,100	30
35	See Operation Note 20.		36.0	6,200	48.0	6,500	35
40			23.0	4,400	41.0	4,700	40
45					32.5	3,400	45
Min. Boom Angle/Cap.	0°	7,900	0°	3,500	23°		Min. Boom Angle/Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. Over Rear	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. Over Rear	Load Radius In Feet
25	65.0	9,500			25
30	60.5	8,100	64.5	8,100	30
35	55.5	7,100	60.5	7,700	35
40	50.0	5,400	56.5	5,900	40
45	44.5	4,100	51.5	4,600	45
50	38.0	3,000	47.0	3,500	50
55			41.5	2,600	55
Min. Boom Angle/Cap.	31°		37°		Min. Boom Angle/Cap.

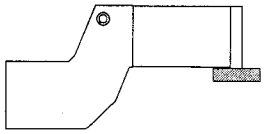
NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.

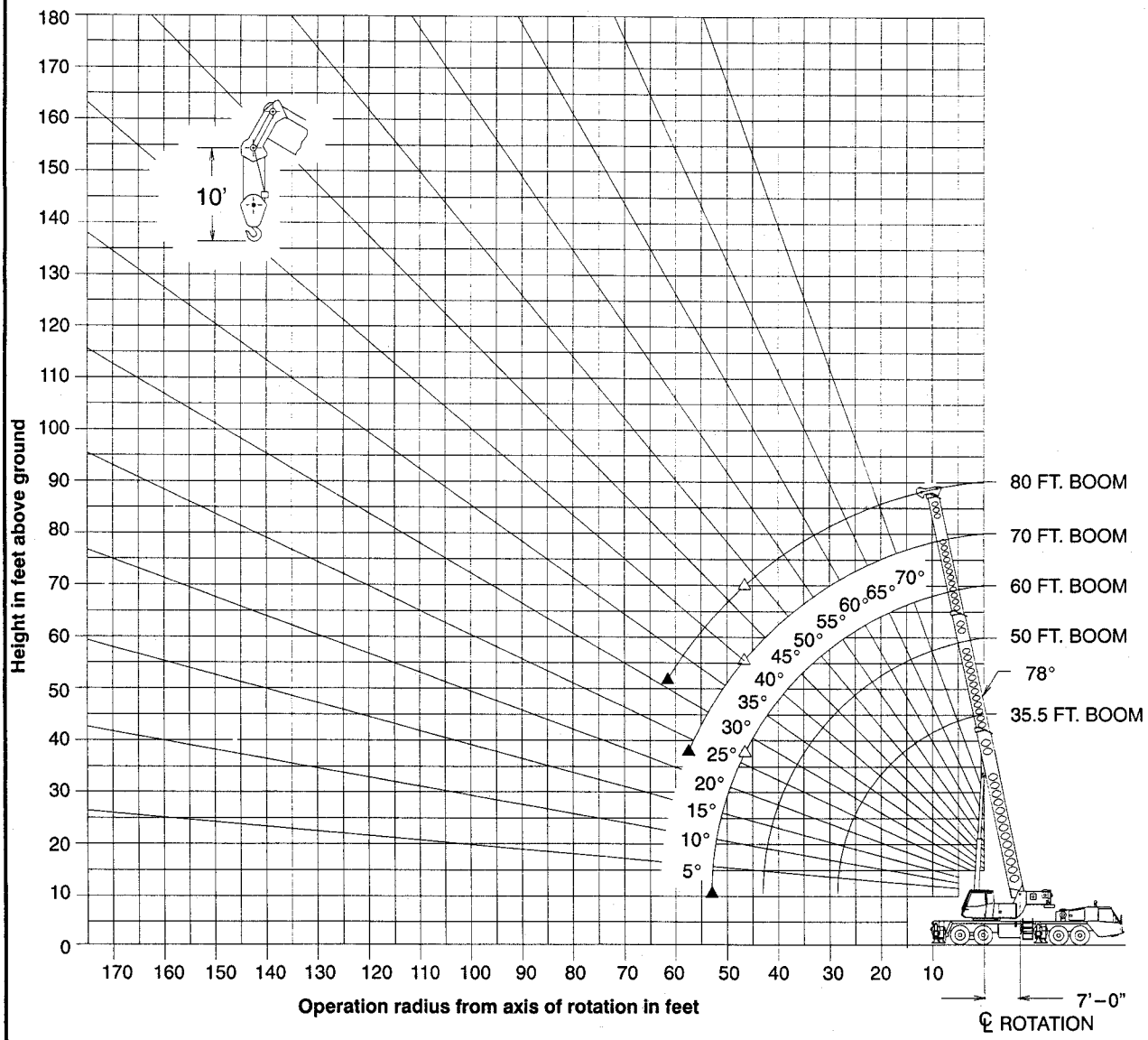
GENERAL INFORMATION ONLY

WORKING RANGE DIAGRAM

Working Range Diagram On Tires

3000# COUNTERWEIGHT





△ Denotes Main Boom–Boom Mode "A"
▲ Denotes Main Boom–Boom 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 As Shown In The Above Chart For The Boom Lengths Shown. Loss Of Stability Will Occur Causing A Tipping Condition.

GENERAL INFORMATION ONLY

On Tires – 3,000# Counterweight – Stationary

BOOM MODE "A"
3,000# CTWT

On Tire Capacities In Pounds
Tire Pressure: See Page 8.
Stationary Capacities – Boom Centered Over Rear
See Operation Note 22.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. Load	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. Load	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. Load	Load Radius In Feet
10	65.5	35,400					10
12	62.0	32,200					12
15	56.0	28,200	67.0	28,200			15
20	45.0	18,300	60.5	18,300	66.0	18,300	20
25	30.0	12,600	53.5	12,700	60.5	12,700	25
30			45.5	9,000	54.5	9,000	30
35	See Operation Note 20.		36.0	6,500	48.5	6,500	35
40			23.0	4,600	41.0	4,600	40
45					32.5	3,200	45
Min. Boom Angle/Cap.	0°	9,700	0°	3,600	27°		Min. Boom Angle/Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. Over Rear	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. Over Rear	Load Radius In Feet
25	65.5	12,700			25
30	60.5	9,000	65.0	9,000	30
35	55.5	6,500	61.0	6,500	35
40	50.5	4,600	56.5	4,600	40
45	44.5	3,200	52.0	3,200	45
Min. Boom Angle/Cap.	40°		48°		Min. Boom Angle/Cap.

BOOM MODE "B"
3,000# CTWT

On Tire Capacities In Pounds
Tire Pressure: See Page 8.
Stationary Capacities – Boom Centered Over Rear
See Operation Note 22.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. Load	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. Load	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. Load	Load Radius In Feet
10	65.5	35,400					10
12	62.0	32,200					12
15	56.0	28,200	67.0	28,200			15
20	45.0	18,300	60.5	19,200	66.0	19,500	20
25	30.0	12,600	53.5	13,400	60.5	13,700	25
30			45.5	9,800	54.5	10,100	30
35	See Operation Note 20.		36.0	7,200	48.5	7,500	35
40			23.0	5,300	41.0	5,700	40
45					32.5	4,200	45
50					21.0	3,100	50
Min. Boom Angle/Cap.	0°	9,700	0°	4,400	0°	2,500	Min. Boom Angle/Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. Over Rear	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. Over Rear	Load Radius In Feet
25	65.5	14,400			25
30	60.5	10,800	65.0	11,300	30
35	55.5	8,200	61.0	8,700	35
40	50.5	6,300	56.5	6,800	40
45	44.5	4,900	52.0	5,400	45
50	38.0	3,700	47.0	4,200	50
55	30.0	2,800	41.5	3,300	55
60			35.5	2,500	60
Min. Boom Angle/Cap.	23°		31°		Min. Boom Angle/Cap.

GENERAL INFORMATION ONLY

On Tires – 3,000# Counterweight – Pick & Carry

BOOM MODE "A"
3,000# CTWT

On Tire Capacities In Pounds
Tire Pressure: See Page 8.
Pick & Carry Capacities – (2.5 MPH) Boom Centered Over Rear
See Operation Note 22.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. Load	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. Load	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. Load	Load Radius In Feet
10	65.5	20,400					10
12	62.0	18,300					12
15	56.0	15,700	67.0	15,600			15
20	45.0	12,200	60.5	12,200	66.0	12,200	20
25	30.0	9,500	53.5	9,600	60.5	9,600	25
30			45.5	7,500	54.5	7,500	30
35	See Operation Note 20.		36.0	5,800	48.0	5,800	35
40			23.0	4,400	41.0	4,400	40
45					32.5	3,200	45
Min. Boom Angle/Cap.	0°	7,900	0°	3,600	27°		Min. Boom Angle/Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. Over Rear	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. Over Rear	Load Radius In Feet
25	65.0	9,500			25
30	60.5	7,500	64.5	7,500	30
35	55.5	5,800	60.5	5,800	35
40	50.0	4,400	56.0	4,400	40
45	44.5	3,200	51.5	3,200	45
Min. Boom Angle/Cap.	40°		48°		Min. Boom Angle/Cap.

BOOM MODE "B"
3,000# CTWT

On Tire Capacities In Pounds
Tire Pressure: See Page 8.
Pick & Carry Capacities – (2.5 MPH)) Boom Centered Over Rear
See Operation Note 22.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet0	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. Load	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. Load	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. Load	Load Radius In Feet
10	65.5	20,400					10
12	62.0	18,300					12
15	56.0	15,700	67.0	15,700			15
20	45.0	12,200	60.5	12,200	66.0	12,200	20
25	30.0	9,500	53.5	9,500	60.5	9,500	25
30			45.5	8,100	54.5	8,100	30
35	See Operation Note 20.		36.0	6,400	48.0	6,400	35
40			23.0	5,000	41.0	5,000	40
45					32.5	4,200	45
50					21.0	3,100	50
Min. Boom Angle/Cap.	0°	7,900	0°	4,300	0°	2,500	Min. Boom Angle/Cap.

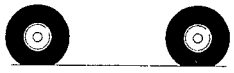
70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft., Loaded Boom Angle (Deg.)	70 Ft. Over Rear	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. Over Rear	Load Radius In Feet
25	65.0	9,500			25
30	60.5	8,100	64.5	8,100	30
35	55.5	6,400	60.5	6,400	35
40	50.0	5,000	56.5	5,000	40
45	44.5	4,200	51.5	4,200	45
50	38.0	3,700	47.0	4,200	50
55	30.0	2,800	41.5	3,300	55
60			35.5	2,500	60
Min. Boom Angle/Cap.	23°		31°		Min. Boom Angle/Cap.

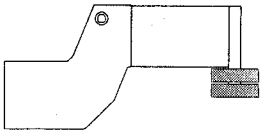
NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.

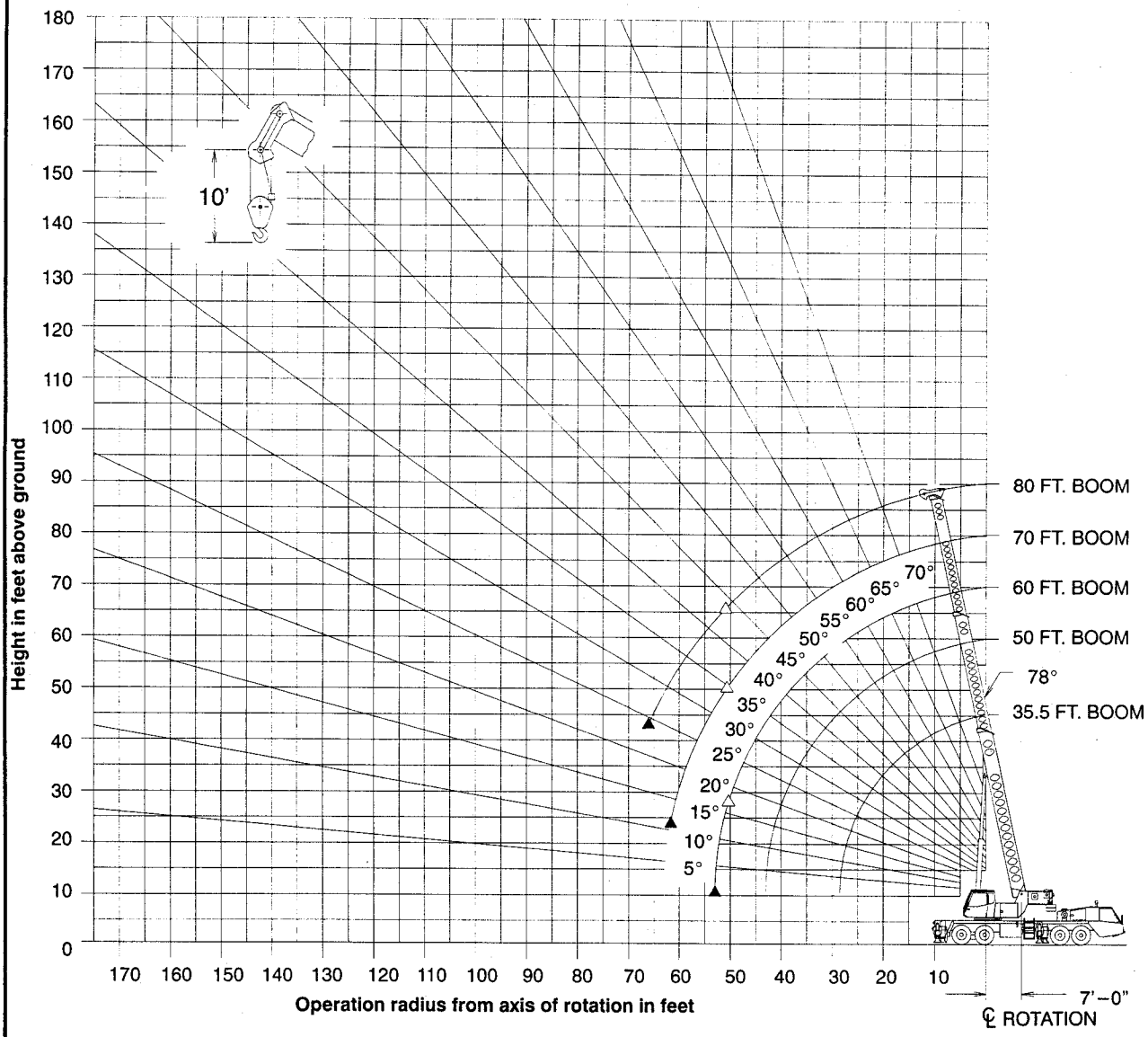
WORKING RANGE DIAGRAM

Working Range Diagram On Tires



6000# COUNTERWEIGHT





△ Denotes Main Boom–Boom Mode "A"
▲ Denotes Main Boom–Boom 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 As Shown In The Above Chart For The Boom Lengths Shown. Loss Of Stability Will Occur Causing A Tipping Condition.

GENERAL INFORMATION ONLY

On Tires – 6,000# Counterweight – Stationary

BOOM MODE "A"
6,000# CTWT

On Tire Capacities In Pounds
Tire Pressure: See Page 8.
Stationary Capacities – Boom Centered Over Rear
See Operation Note 22.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. Load	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. Load	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. Load	Load Radius In Feet
10	65.5	35,400					10
12	62.0	32,200					12
15	56.0	28,200	67.0	28,200			15
20	45.0	20,300	60.5	20,300	66.0	20,300	20
25	30.0	14,100	53.5	14,200	60.5	14,200	25
30			45.5	10,300	54.5	10,300	30
35	See Operation Note 20.		36.0	7,600	48.5	7,600	35
40			23.0	5,500	41.0	5,600	40
45					32.5	4,000	45
50					21.0	2,800	50
Min. Boom Angle/Cap.	0°	11,100	0°	4,500	17°		Min. Boom Angle/Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. Over Rear	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. Over Rear	Load Radius In Feet
25	65.5	14,100			25
30	60.5	10,300	65.0	10,300	30
35	55.5	7,600	61.0	7,600	35
40	50.5	5,600	56.5	5,600	40
45	44.5	4,000	52.0	4,000	45
50	38.0	2,800	47.0	2,800	50
Min. Boom Angle/Cap.	34.5°		43.5°		Min. Boom Angle/Cap.

BOOM MODE "B"
6,000# CTWT

On Tire Capacities In Pounds
Tire Pressure: See Page 8.
Stationary Capacities – Boom Centered Over Rear
See Operation Note 22.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. Load	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. Load	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. Load	Load Radius In Feet
10	65.5	35,400					10
12	62.0	32,200					12
15	56.0	28,200	67.0	28,200			15
20	45.0	20,300	60.5	21,200	66.0	21,500	20
25	30.0	14,100	53.5	15,000	60.5	15,300	25
30			45.5	11,100	54.5	11,400	30
35	See Operation Note 20.		36.0	8,300	48.5	8,600	35
40			23.0	6,300	41.0	6,600	40
45					32.5	5,000	45
50					21.0	3,800	50
Min. Boom Angle/Cap.	0°	11,100	0°	5,200	0°	3,200	Min. Boom Angle/Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. Over Rear	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. Over Rear	Load Radius In Feet
25	65.5	16,000			25
30	60.5	12,100	65.0	12,600	30
35	55.5	9,300	61.0	9,800	35
40	50.5	7,300	56.5	7,800	40
45	44.5	5,700	52.0	6,200	45
50	38.0	4,500	47.0	5,000	50
55	30.0	3,500	41.5	4,000	55
60	19.5	2,700	35.5	3,100	60
65			28.0	2,500	65
Min. Boom Angle/Cap.	11°		24°		Min. Boom Angle/Cap.

On Tires – 6,000# Counterweight – Pick & Carry

BOOM MODE "A"
6,000# CTWT

On Tire Capacities In Pounds
Tire Pressure: See Page 8.
Pick & Carry Capacities – (2.5 MPH) Boom Centered Over Rear
See Operation Note 22.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. Load	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. Load	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. Load	Load Radius In Feet
10	65.5	20,400					10
12	62.0	18,300					12
15	56.0	15,700	67.0	15,600			15
20	45.0	12,200	60.5	12,200	66.0	12,200	20
25	30.0	9,500	53.5	9,600	60.5	9,600	25
30			45.5	7,500	54.5	7,500	30
35	See Operation Note 20.		36.0	5,800	48.0	5,800	35
40			23.0	4,400	41.0	4,400	40
45					32.5	3,300	45
50					21.0	2,300	50
Min. Boom Angle/Cap.	0°	7,900	0°	3,600	17°		Min. Boom Angle/Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. Over Rear	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. Over Rear	Load Radius In Feet
25	65.0	9,500			25
30	60.5	7,500	64.5	7,500	30
35	55.5	5,800	60.5	5,800	35
40	50.0	4,400	56.0	4,400	40
45	44.5	3,300	51.5	3,300	45
50	38.0	2,300	47.0	2,300	50
Min. Boom Angle/Cap.	34.5°		43.5°		Min. Boom Angle/Cap.

BOOM MODE "B"
6,000# CTWT

On Tire Capacities In Pounds
Tire Pressure: See Page 8.
Pick & Carry Capacities – (2.5 MPH) Boom Centered Over Rear
See Operation Note 22.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. Load	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. Load	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. Load	Load Radius In Feet
10	65.5	20,400					10
12	62.0	18,300					12
15	56.0	15,700	67.0	15,700			15
20	45.0	12,200	60.5	12,200	66.0	12,200	20
25	30.0	9,500	53.5	9,500	60.5	9,500	25
30			45.5	8,100	54.5	8,100	30
35	See Operation Note 20.		36.0	6,400	48.0	6,400	35
40			23.0	5,000	41.0	5,000	40
45					32.5	4,200	45
50					21.0	3,200	50
Min. Boom Angle/Cap.	0°	7,900	0°	4,300	0°	2,600	Min. Boom Angle/Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. Over Rear	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. Over Rear	Load Radius In Feet
25	65.0	9,500			25
30	60.5	8,100	64.5	8,100	30
35	55.5	6,400	60.5	6,400	35
40	50.0	5,000	56.5	5,000	40
45	44.5	4,200	51.5	4,200	45
50	38.0	3,200	47.0	3,200	50
55	30.0	3,000	41.5	3,000	55
60	19.5	2,300	35.5	2,300	60
65			28.0	2,200	65
Min. Boom Angle/Cap.	11°		24°		Min. Boom Angle/Cap.

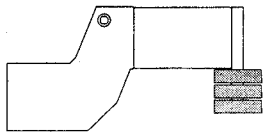
NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.

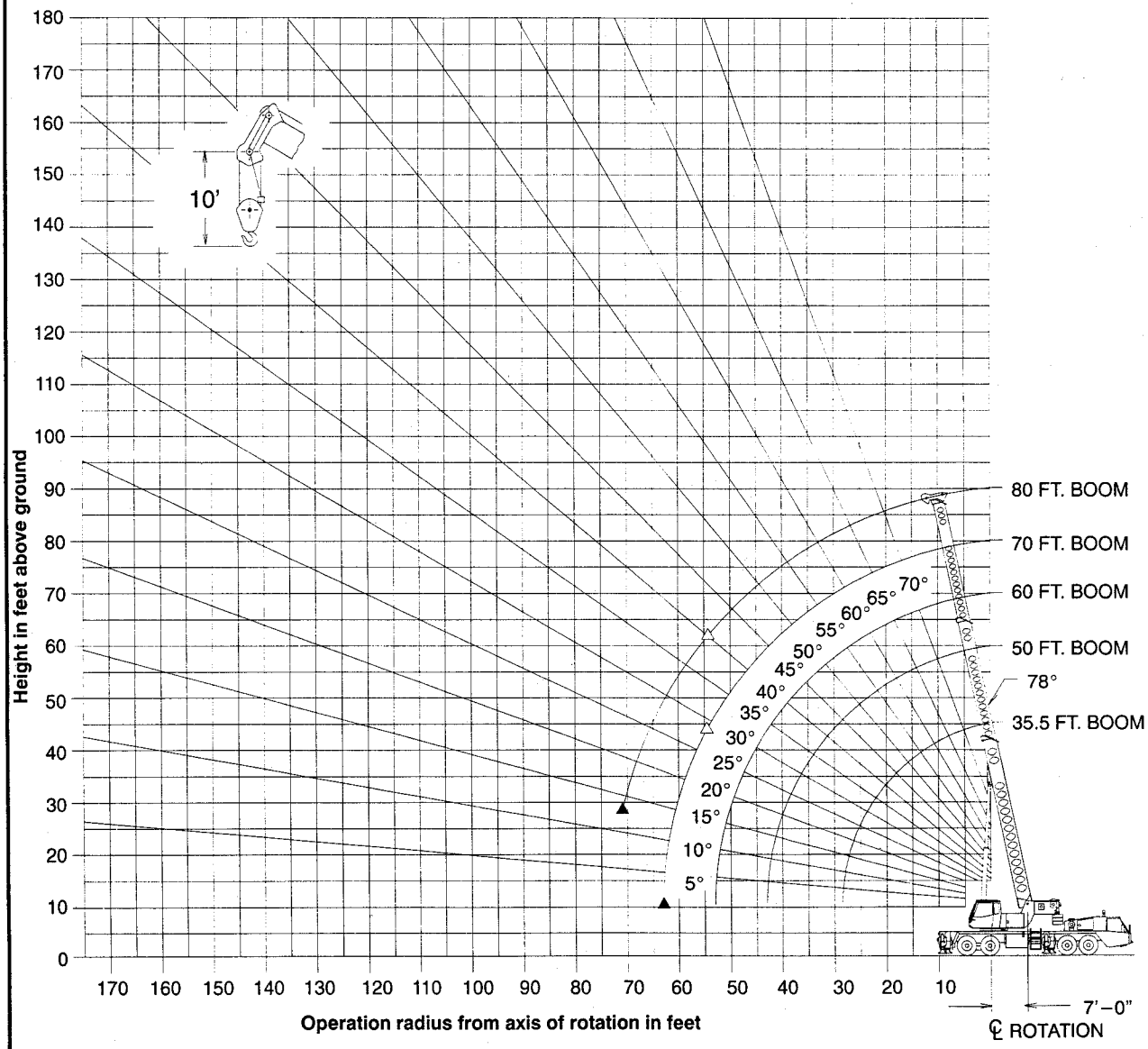
GENERAL INFORMATION ONLY

WORKING RANGE DIAGRAM

Working Range Diagram On Tires

9000# COUNTERWEIGHT





△ Denotes Main Boom–Boom Mode "A"
▲ Denotes Main Boom–Boom 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 As Shown In The Above Chart For The Boom Lengths Shown. Loss Of Stability Will Occur Causing A Tipping Condition.

GENERAL INFORMATION ONLY

On Tires – 9,000# Counterweight – Stationary

BOOM MODE "A"
9,000# CTWT

On Tire Capacities In Pounds
Tire Pressure: See Page 8.
Stationary Capacities – Boom Centered Over Rear
See Operation Note 22.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. Load	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. Load	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. Load	Load Radius In Feet
10	65.5	35,400					10
12	62.0	32,200					12
15	56.0	28,200	67.0	28,200			15
20	45.0	22,300	60.5	22,300	66.0	22,300	20
25	30.0	15,700	53.5	15,700	60.5	15,700	25
30			45.5	11,600	54.5	11,600	30
35	See Operation Note 20.		36.0	8,600	48.5	8,600	35
40			23.0	6,500	41.0	6,500	40
45					32.5	4,900	45
50					21.0	3,600	50
Min. Boom Angle/Cap.	0°	12,400	0°	5,400	0°	2,900	Min. Boom Angle/Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. Over Rear	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. Over Rear	Load Radius In Feet
25	65.5	15,700			25
30	60.5	11,500	65.0	11,500	30
35	55.5	8,600	61.0	8,600	35
40	50.5	6,500	56.5	6,500	40
45	44.5	4,900	52.0	4,900	45
50	38.0	3,600	47.0	3,600	50
55	30.0	2,500	41.5	2,500	55
Min. Boom Angle/Cap.	28.5°		40°		Min. Boom Angle/Cap.

BOOM MODE "B"
9,000# CTWT

On Tire Capacities In Pounds
Tire Pressure: See Page 8.
Stationary Capacities – Boom Centered Over Rear
See Operation Note 22.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. Load	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. Load	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. Load	Load Radius In Feet
10	65.5	35,400					10
12	62.0	32,200					12
15	56.0	28,200	67.0	28,200			15
20	45.0	22,300	60.5	23,200	66.0	23,500	20
25	30.0	15,700	53.5	16,500	60.5	16,800	25
30			45.5	12,300	54.5	12,600	30
35	See Operation Note 20.		36.0	9,400	48.5	9,700	35
40			23.0	7,200	41.0	7,500	40
45					32.5	5,900	45
50					21.0	4,500	50
Min. Boom Angle/Cap.	0°	12,400	0°	6,100	0°	3,900	Min. Boom Angle/Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. Over Rear	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. Over Rear	Load Radius In Feet
25	65.5	17,500			25
30	60.5	13,200	65.0	13,800	30
35	55.5	10,400	61.0	10,900	35
40	50.5	8,200	56.5	8,700	40
45	44.5	6,500	52.0	7,000	45
50	38.0	5,200	47.0	5,700	50
55	30.0	4,100	41.5	4,600	55
60	19.5	3,300	35.5	3,800	60
65			28.0	3,000	65
70			18.0	2,400	70
Min. Boom Angle/Cap.	0°	2,800	13°		Min. Boom Angle/Cap.

On Tires – 9,000# Counterweight – Pick & Carry

BOOM MODE "A"
9,000# CTWT

On Tire Capacities In Pounds
Tire Pressure: See Page 8.
Pick & Carry Capacities – (2.5 MPH) Boom Centered Over Rear
See Operation Note 22.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. Load	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. Load	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. Load	Load Radius In Feet
10	65.5	20,400					10
12	62.0	18,300					12
15	56.0	15,700	67.0	15,600			15
20	45.0	12,200	60.5	12,200	66.0	12,200	20
25	30.0	9,500	53.5	9,600	60.5	9,600	25
30			45.5	7,500	54.5	7,500	30
35	See Operation Note 20.		36.0	5,800	48.0	5,800	35
40			23.0	4,400	41.0	4,400	40
45					32.5	3,300	45
50					21.0	2,300	50
Min. Boom Angle/Cap.	0°	7,900	0°	3,600	0°	1,700	Min. Boom Angle/Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. Over Rear	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. Over Rear	Load Radius In Feet
25	65.0	9,500			25
30	60.5	7,500	64.5	7,500	30
35	55.5	5,800	60.5	5,800	35
40	50.0	4,400	56.0	4,400	40
45	44.5	3,300	51.5	3,300	45
50	38.0	2,300	47.0	2,300	50
55	30.0	1,400	41.5	1,400	55
Min. Boom Angle/Cap.	28.5°		40°		Min. Boom Angle/Cap.

BOOM MODE "B"
9,000# CTWT

On Tire Capacities In Pounds
Tire Pressure: See Page 8.
Pick & Carry Capacities – (2.5 MPH) Boom Centered Over Rear
See Operation Note 22.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. Load	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. Load	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. Load	Load Radius In Feet
10	65.5	20,400					10
12	62.0	18,300					12
15	56.0	15,700	67.0	15,700			15
20	45.0	12,200	60.5	12,200	66.0	12,200	20
25	30.0	9,500	53.5	9,500	60.5	9,500	25
30			45.5	8,100	54.5	8,100	30
35	See Operation Note 20.		36.0	6,400	48.0	6,400	35
40			23.0	5,000	41.0	5,000	40
45					32.5	4,200	45
50					21.0	3,200	50
Min. Boom Angle/Cap.	0°	7,900	0°	4,300	0°	2,600	Min. Boom Angle/Cap.

70 Ft. To 80 Ft. Main Boom

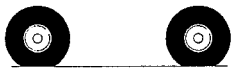
Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. Over Rear	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. Over Rear	Load Radius In Feet
25	65.0	9,500			25
30	60.5	8,100	64.5	8,100	30
35	55.5	6,400	60.5	6,400	35
40	50.0	5,000	56.5	5,000	40
45	44.5	4,200	51.5	4,200	45
50	38.0	3,200	47.0	3,200	50
55	30.0	3,000	41.5	3,000	55
60	19.5	2,300	35.5	2,300	60
65			28.0	2,200	65
70			18.0	1,600	70
Min. Boom Angle/Cap.	0°	1,900	13°		Min. Boom Angle/Cap.

NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.

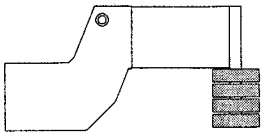
GENERAL INFORMATION ONLY

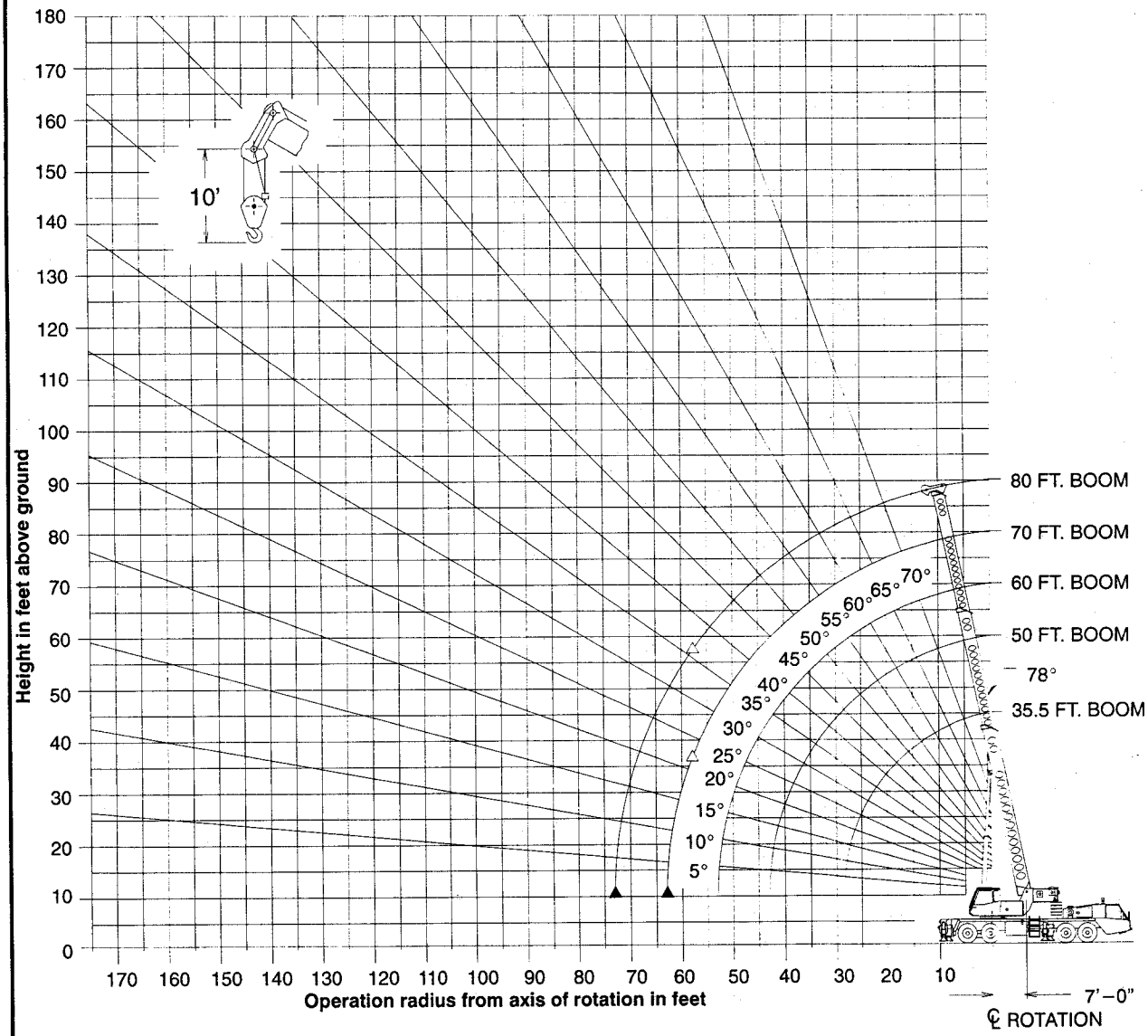
WORKING RANGE DIAGRAM

Working Range Diagram On Tires



12,000# COUNTERWEIGHT





△ Denotes Main Boom–Boom Mode "A"
▲ Denotes Main Boom–Boom 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 As Shown In The Above Chart For The Boom Lengths Shown. Loss Of Stability Will Occur Causing A Tipping Condition.

GENERAL INFORMATION ONLY

On Tires – 12,000# Counterweight – Stationary

BOOM MODE "A"
12,000# CTWT

On Tire Capacities In Pounds
Tire Pressure: See Page 8.
Stationary Capacities – Boom Centered Over Rear
See Operation Note 22.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. Load	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. Load	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. Load	Load Radius In Feet
10	65.5	35,400					10
12	62.0	32,200					12
15	56.0	28,200	67.0	28,200			15
20	45.0	23,100	60.5	23,000	66.0	23,000	20
25	30.0	17,200	53.5	17,300	60.5	17,300	25
30			45.5	12,800	54.5	12,800	30
35	See Operation Note 20.		36.0	9,700	48.5	9,700	35
40			23.0	7,400	41.0	7,400	40
45					32.5	5,700	45
50					21.0	4,300	50
Min. Boom Angle/Cap.	0°	13,800	0°	6,200	0°	3,500	Min. Boom Angle/Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. Over Rear	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. Over Rear	Load Radius In Feet
25	65.5	17,200			25
30	60.5	12,700	65.0	12,700	30
35	55.5	9,700	61.0	9,700	35
40	50.5	7,400	56.5	7,400	40
45	44.5	5,700	52.0	5,700	45
50	38.0	4,300	47.0	4,300	50
55	30.0	3,200	41.5	3,200	55
Min. Boom Angle/Cap.	22°		36°		Min. Boom Angle/Cap.

BOOM MODE "B"
12,000# CTWT

On Tire Capacities In Pounds
Tire Pressure: See Page 8.
Stationary Capacities – Boom Centered Over Rear
See Operation Note 22.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. Load	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. Load	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. Load	Load Radius In Feet
10	65.5	35,400					10
12	62.0	32,200					12
15	56.0	28,200	67.0	28,200			15
20	45.0	23,100	60.5	23,100	66.0	23,100	20
25	30.0	17,200	53.5	18,100	60.5	18,400	25
30			45.5	13,500	54.5	13,800	30
35	See Operation Note 20.		36.0	10,400	48.5	10,800	35
40			23.0	8,100	41.0	8,400	40
45					32.5	6,700	45
50					21.0	5,300	50
Min. Boom Angle/Cap.	0°	13,800	0°	7,000	0°	4,500	Min. Boom Angle/Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. Over Rear	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. Over Rear	Load Radius In Feet
25	65.5	19,100			25
30	60.5	14,500	65.0	15,000	30
35	55.5	11,400	61.0	11,900	35
40	50.5	9,100	56.5	9,600	40
45	44.5	7,300	52.0	7,800	45
50	38.0	5,900	47.0	6,400	50
55	30.0	4,800	41.5	5,300	55
60	19.5	3,900	35.5	4,400	60
65			28.0	3,600	65
70			18.0	2,900	70
Min. Boom Angle/Cap.	0°	3,400	0°	2,500	Min. Boom Angle/Cap.

On Tires – 12,000# Counterweight – Pick & Carry

BOOM MODE "A"
12,000# CTWT

On Tire Capacities In Pounds
Tire Pressure: See Page 8.
Pick & Carry Capacities – (2.5 MPH) Boom Centered Over Rear
See Operation Note 22.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. Load	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. Load	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. Load	Load Radius In Feet
10	65.5	20,400					10
12	62.0	18,300					12
15	56.0	15,700	67.0	15,600			15
20	45.0	12,200	60.5	12,200	66.0	12,200	20
25	30.0	9,500	53.5	9,600	60.5	9,600	25
30			45.5	7,500	54.5	7,500	30
35	See Operation Note 20.		36.0	5,800	48.0	5,800	35
40			23.0	4,400	41.0	4,400	40
45					32.5	3,300	45
50					21.0	2,300	50
Min. Boom Angle/Cap.	0°	7,900	0°	3,600	0°	1,700	Min. Boom Angle/Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. Over Rear	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. Over Rear	Load Radius In Feet
25	65.0	9,500			25
30	60.5	7,500	64.5	7,500	30
35	55.5	5,800	60.5	5,800	35
40	50.0	4,400	56.0	4,400	40
45	44.5	3,300	51.5	3,300	45
50	38.0	2,300	47.0	2,300	50
55	30.0	1,400	41.5	1,400	55
Min. Boom Angle/Cap.	22°		36°		Min. Boom Angle/Cap.

BOOM MODE "B"
12,000# CTWT

On Tire Capacities In Pounds
Tire Pressure: See Page 8.
Pick & Carry Capacities – (2.5 MPH) Boom Centered Over Rear
See Operation Note 22.

35.5 Ft. To 60 Ft. Main Boom

Load Radius In Feet	35.5 Ft. Loaded Boom Angle (Deg.)	35.5 Ft. Load	50 Ft. Loaded Boom Angle (Deg.)	50 Ft. Load	60 Ft. Loaded Boom Angle (Deg.)	60 Ft. Load	Load Radius In Feet
10	65.5	20,400					10
12	62.0	18,300					12
15	56.0	15,700	67.0	15,700			15
20	45.0	12,200	60.5	12,200	66.0	12,200	20
25	30.0	9,500	53.5	9,500	60.5	9,500	25
30			45.5	8,100	54.5	8,100	30
35	See Operation Note 20.		36.0	6,400	48.0	6,400	35
40			23.0	5,000	41.0	5,000	40
45					32.5	4,200	45
50					21.0	3,200	50
Min. Boom Angle/Cap.	0°	7,900	0°	4,300	0°	2,600	Min. Boom Angle/Cap.

70 Ft. To 80 Ft. Main Boom

Load Radius In Feet	70 Ft. Loaded Boom Angle (Deg.)	70 Ft. Over Rear	80 Ft. Loaded Boom Angle (Deg.)	80 Ft. Over Rear	Load Radius In Feet
25	65.0	9,500			25
30	60.5	8,100	64.5	8,100	30
35	55.5	6,400	60.5	6,400	35
40	50.0	5,000	56.5	5,000	40
45	44.5	4,200	51.5	4,200	45
50	38.0	3,200	47.0	3,200	50
55	30.0	3,000	41.5	3,000	55
60	19.5	2,300	35.5	2,300	60
65			28.0	2,200	65
70			18.0	1,600	70
Min. Boom Angle/Cap.	0°	1,900	0°	1,300	Min. Boom Angle/Cap.

NOTE: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.

GENERAL INFORMATION ONLY