TEREX CRANES

TEREX
MODEL NO.
T340
HYDRAULIC CRANE
40 TON

P.C.S.A. CLASS 9 - 118

LOAD RATINGS

Do not operate this crane unless you have read and understood the information in this book.

This book must contain 31 pages.

DO NOT REMOVE THIS BOOK FROM THE CRANE

Part No. 12262–1204

Courtesy of Crane.Market

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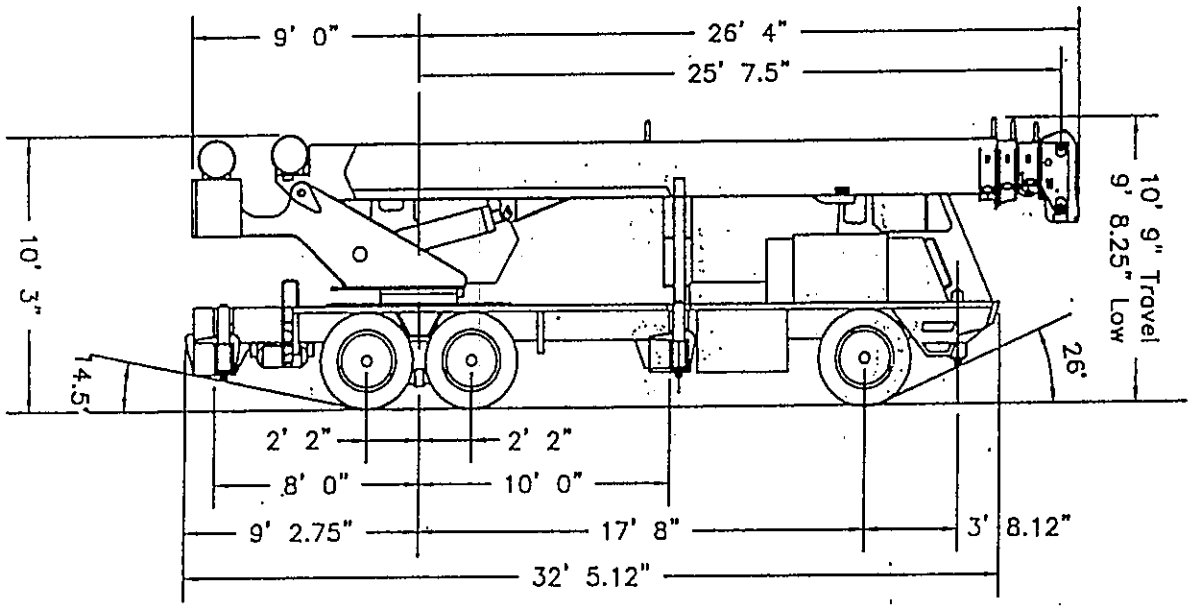
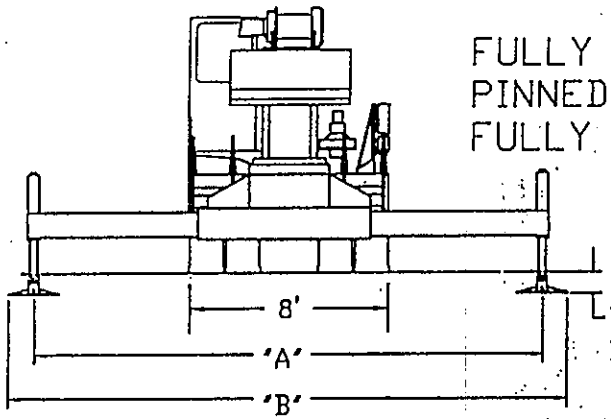
BASIC DIMENSIONS





	"A"	"B"
FULLY EXTENDED OUTRIGGERS	20'-0"	22'-0"
PINNED OUTRIGGERS	13'-8.25"	15'-8.25"
FULLY RETRACTED OUTRIGGERS	7'-4.5"	9'-4.5"

Courtesy of Crane.Market

INFORMATIONAL DATA

HOIST TACKLE CHART

This chart only represents the maximum permissible hoist line load per parts of line. You must refer to the proper lift charts for machine rated loads.

MAXIMUM PERMISSIBLE HOIST LINE LOAD										
LINE PARTS	1	2	3	4	5	6	7	8	9	10
MAX. LOAD	9,080	18,160	27,240	36,320	45,400	54,480	63,560	72,640	81,720	90,800
BOOM HEAD	2	3–D	2–3	1–4–D	2–3–4	2–3–4–D	1–2–3–4	1–2–3–4–D	1–2–3–4–5	1–2–3–4–5–D
HOOK BLOCK	D	3	3–D	1–4	2–3–D	2–3–4	2–3–4–D	1–2–3–4	1–2–3–4–D	1–2–3–4–5

WIRE ROPE: 5/8" ROTATION RESISTANT COMPACTED STRAND, 18X19 OR 19X19 MINIMUM BREAKING STRENGTH – 22.7 TONS

5/8" 6X19 OR 6X37 IWRC IPS PREFORMED RIGHT REGULAR LAY MINIMUM BREAKING STRENGTH – 17.9 TONS

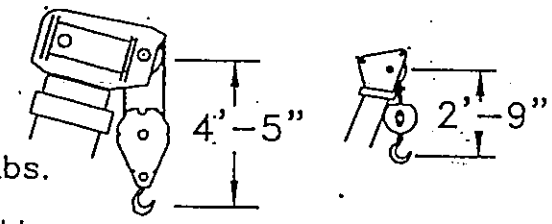
TIRE INFLATION CHART

RECOMMENDED TIRE PRESSURE
SEE TIRE CHART ON SIDE WALL IN OPERATORS CAB.

HOOK BLOCK WEIGHTS

HOOK BLOCK WEIGHTS	
HOOK & BALL	239 Lbs.
25T HOOK BLOCK (2 SHEAVE)	682 Lbs.
30T HOOK BLOCK (3 SHEAVE)	670 Lbs.
40T HOOK BLOCK (4 SHEAVE)	690 Lbs.

DIMENSIONS ARE FOR LARGEST KOEHRING FURNISHED HOOK BLOCK AND HEADACHE BALL. WITH ANTI–TWO BLOCK ACTIVATED.



MACHINE EQUIPMENT

1. COUNTERWEIGHT :

   F. BUMPER .....1850 Lbs.

   UPPER:

   W/AUX. WINCH .....6100 Lbs.

   W/O AUX. WINCH.....7200 Lbs

2. OUTRIGGER SPREAD 20ft – 0in. from center of outrigger float to center of outrigger float across the longitudinal axis of the machine.
3. Powered boom length 30ft. retracted to 94ft. extended.

6.75. Crane height 11ft., length 35ft.–6.75in., width 8ft..

CLAMSHELL, MAGNET, AND CONCRETE BUCKET SERVICE

1. Maximum boom length for clamshell and magnet service is 50 feet.
2. Weight of clamshell or magnet, plus contents are not to exceed 6,000 pounds or 90% of rated lifting capacities, whichever is less. For concrete bucket operation, weight of bucket and load must not exceed 90% of rated lifting capacity.

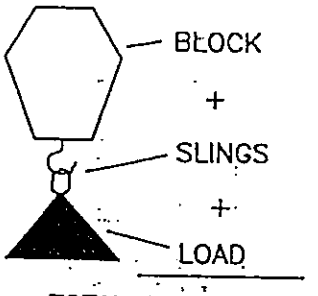
OUTRIGGER PAD LOADS

1. When lifting loads shown in these capacity charts, no single pad load will exceed 65,000 Lb.

Courtesy of Crane Market

⚠ WARNING

6. Rated loads include the weight of hook block, slings, and auxiliary lifting devices. Their weights shall be subtracted from the listed rated load to obtain the net load that can be lifted.



When lifting over the jib the weight of any hook block, slings, and auxiliary lifting devices at the boom head must be added to the load.

When jibs are erected but unused add two(2) times the weight of any hook block, slings, and auxiliary lifting devices at the jib head to the load.

7. Rated loads do not exceed 85% on outriggers or 75% on tires, of the tipping load as determined by SAE Crane Stability Test Code J765a. Structural strength ratings in chart are indicated with an asterisk (*).

8. Rated loads are based on freely suspended loads. No attempt shall be made to drag a load horizontally on the ground in any direction.

9. The user shall operate at reduced ratings to allow for adverse job conditions, such as: Soft or uneven ground, out of level conditions, high winds, side loads, pendulum action, jerking or sudden stopping of loads, hazardous conditions, experience of personnel, two machine lifts, traveling with loads, electric wires, etc, (side pull on boom or jib is hazardous). Derating of the cranes lifting capacity is required when wind speed exceeds 20 MPH. The center of the lifted load must never be allowed to move more then 3* feet off the center line of the base boom section due to the effects of wind, inertia, or any combination of the two.
*"Use 2 feet off the center line of the base boom for a two section boom, 3 feet for a three section boom, or 4 feet for a four section boom."

10. The maximum load which can be telescoped is not definable, because of variations in loadings and crane maintenance, but it is permissible to attempt retraction and extension if load ratings are not exceeded.

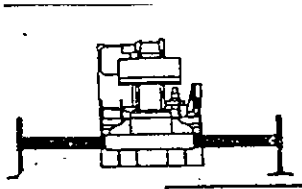
11. Load ratings are dependent upon the crane being maintained according to manufacturer's specifications.

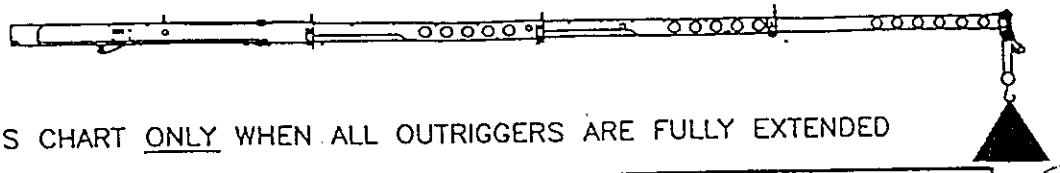
12. It is recommended that load handling devices, including hooks, and hook blocks, be kept away from boom head at all times.

13. FOR MCH'S ONLY: 360° capacities apply only to machines equipped with a front outrigger jack and all five (5) outrigger jacks properly set. If the front (5th) outrigger jack is not properly set, the work area is restricted to the over side and over rear areas as shown on the Crane Working Positions diagram. Use the 360° load ratings in the overside work areas.

14. Do not lift with outrigger beams positioned between the fully extended and intermediate (pinned) positions.

Courtesy of Crane.Market

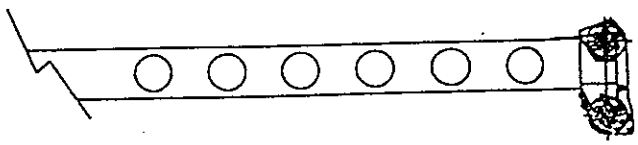




USE THIS CHART ONLY WHEN ALL OUTRIGGERS ARE FULLY EXTENDED

RATED LOAD ON OUTRIGGERS

LOAD RADIUS (FT)	LOADED BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)
BOOM LENGTH 30 FT			
9.0	65.1	80000*	80000*
10.0	63.0	70000*	70000*
12.0	58.5	60900*	60900*
15.0	51.4	49300*	49300*
20.0	37.4	35200*	35200*
25.0	13.7	26600*	26600*
25.6	.0	25600*	25600*
BOOM LENGTH 39 FT			
10.0	69.4	46500*	46500*
12.0	66.2	46500*	46500*
15.0	61.2	46500*	46500*
20.0	52.3	36000*	36000*
25.0	42.0	27500*	27500*
30.0	28.8	21800*	19800
34.3	.0	17600	15000
BOOM LENGTH 50 FT			
12.0	71.7	46500*	46500*
15.0	68.0	44200*	44200*
20.0	61.6	36500*	36500*
25.0	54.8	28000*	28000*
30.0	47.3	22300*	20300
35.0	38.7	17800	15200
40.0	27.9	14200	11700
45.0	7.9	11400	9200
45.3	.0	11200	9000
BOOM LENGTH 61 FT			
15.0	72.1	38000*	38000*
20.0	67.1	32900*	32900*
25.0	61.9	27800*	27800*
30.0	56.3	22700*	20600
35.0	50.4	18100	15500
40.0	43.9	14500	12100
45.0	36.5	11800	9600
50.0	27.3	9800	7700
55.0	13.0	8100	6300
56.3	.0	7700	5900
BOOM LENGTH 72 FT			
20.0	70.8	27300*	27300*
25.0	66.5	23000*	23000*
30.0	62.0	19800*	19800*
35.0	57.4	17300*	15700
40.0	52.5	14600	12200
45.0	47.2	12000	9800
50.0	41.4	10000	7900
55.0	34.8	8400	6500
60.0	26.9	7100	5300
65.0	15.5	6000	4400
67.3	.0	5500	3900
BOOM LENGTH 83 FT			
25.0	69.8	21700*	21700*
30.0	66.0	18200*	18200*
35.0	62.2	15800*	15800*
40.0	58.1	13700*	12400
45.0	53.9	12000*	9900
50.0	49.5	10100	8100
55.0	44.7	8500	6600
60.0	39.5	7200	5500
65.0	33.6	6200	4500
70.0	26.6	5300	3700
75.0	17.0	4500	3100
78.3	.0	3900	2600
BOOM LENGTH 94 FT			
25.0	72.2	17400*	17400*
30.0	69.0	14900*	14900*
35.0	65.7	13000*	13000*
40.0	62.2	11400*	11400*
45.0	58.7	10000*	10000
50.0	55.1	8900*	8200
55.0	51.2	8100*	6700
60.0	47.2	7200*	5600
65.0	42.8	6200	4600
70.0	38.0	5400	3900
75.0	32.7	4600	3200
80.0	26.4	3900	2600
85.0	18.1	3300	2100
89.3	.0	2800	1700



Add 100Lbs to the chart values if the AUX BOOM HEAD SHEAVE is NOT ERECTED.

Part No. 12262--1204

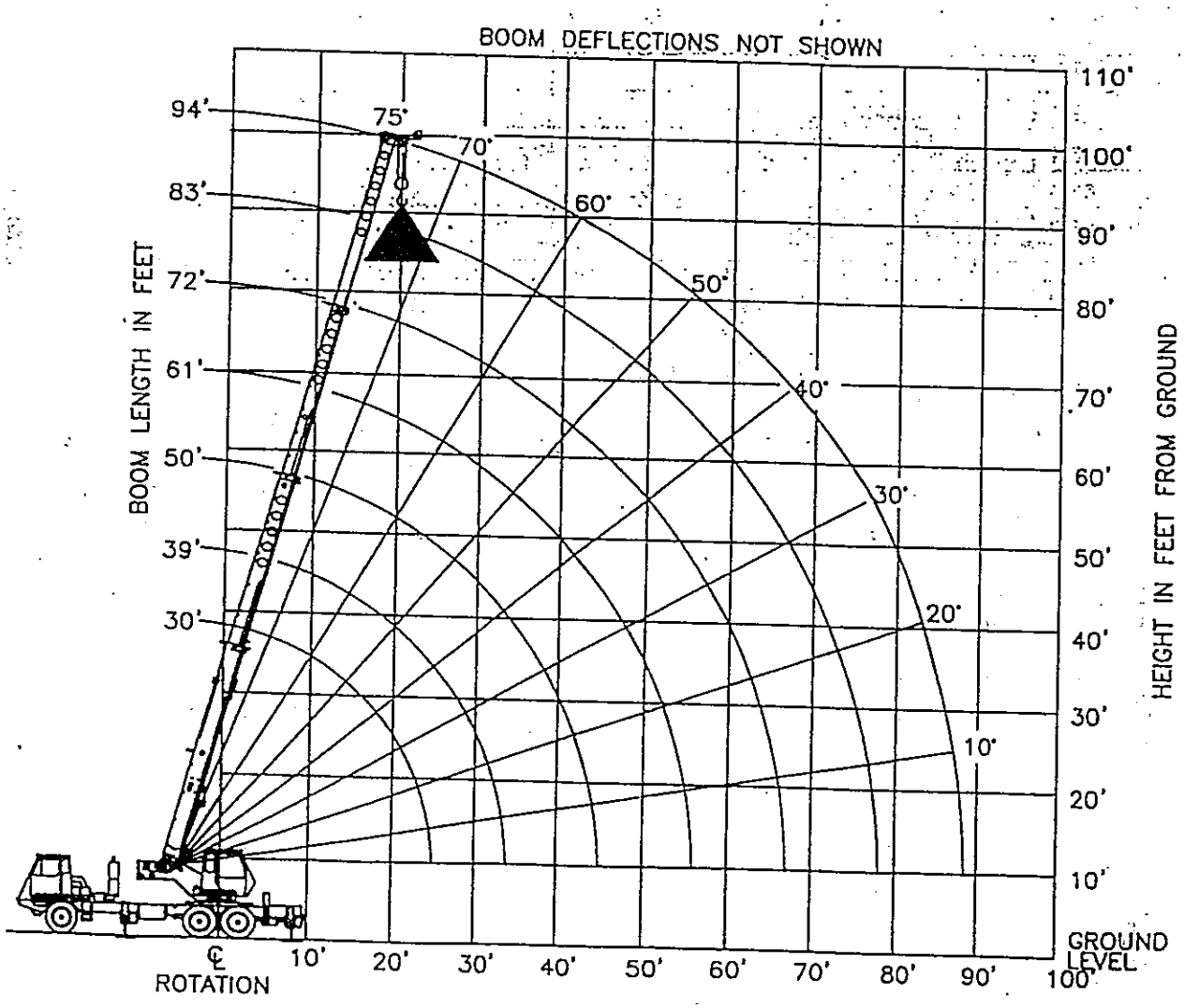
Courtesy of Crane Market

SET–UP:

1. Crane load ratings are based on the crane being leveled and standing on a firm, uniform supporting surface.
2. Crane load ratings on outriggers are based on all outrigger beams being fully extended and the tires raised free of the supporting surface.

OPERATION:

1. CRANE LOAD RATINGS MUST NOT BE EXCEEDED. DO NOT ATTEMPT TO TIP THE CRANE TO DETERMINE ALLOWABLE LOADS.
2. When either radius or boom length, or both, are between listed values, the smaller of the two listed load ratings shall be used.
3. Do not operate at longer radii than those listed on the applicable load rating chart (cross hatched areas shown on range diagrams) as tipping can occur without a load on the hook.
4. The boom angles shown on the Capacity Chart give an approximation of the operating radius for a specified boom length. The boom angle, before loading, should be greater to account for boom deflection. It may be necessary to retract the boom if maximum boom angle is insufficient to maintain rated radius.
5. Power telescoping boom sections must be extended equally.



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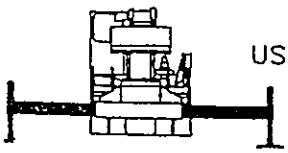
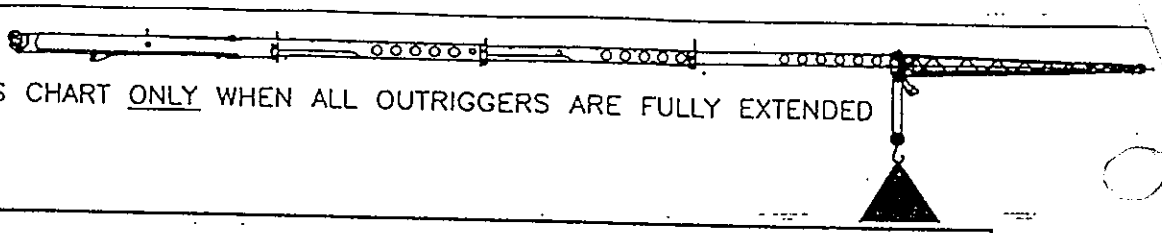


USE THIS CHART ONLY WHEN ALL OUTRIGGERS ARE FULLY EXTENDED

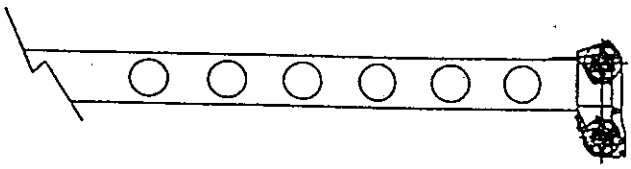


RATED LOAD ON OUTRIGGERS

LOAD RADIUS (FT)	LOADED BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)
BOOM LENGTH 30 FT			
9.0	65.1	78400*	78400*
10.0	63.0	68500*	68500*
12.0	58.5	59400*	59400*
15.0	51.4	47300*	47300*
20.0	37.4	33300*	33300*
25.0	13.7	24700*	24600
25.6	.0	23700*	23100
BOOM LENGTH 61 FT			
15.0	72.1	38000*	38000*
20.0	67.1	32900*	32900*
25.0	61.9	26500*	26500*
30.0	56.3	20800*	18700
35.0	50.4	16200	13600
40.0	43.9	12600	10200
45.0	36.5	10000	7800
50.0	27.3	7900	5900
55.0	13.0	6300	4400
56.3	.0	5900	4000
BOOM LENGTH 94 FT			
25.0	72.2	17400*	17400*
30.0	69.0	14900*	14900*
35.0	65.7	13000*	13000*
40.0	62.2	11400*	10800
45.0	58.7	10000*	8300
50.0	55.1	8500	6500
55.0	51.2	6900	5100
60.0	47.2	5600	3900
65.0	42.8	4600	3000
70.0	38.0	3700	2200
75.0	32.7	2900	1500
80.0	26.4	2300	900
85.0	18.1	1700	
89.3	.0	1200	

LOAD RADIUS (FT)	LOADED BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)
BOOM LENGTH 39 FT			
10.0	69.4	46500*	46500*
12.0	66.2	46500*	46500*
15.0	61.2	46500*	46500*
20.0	52.3	34000*	34000*
25.0	42.0	25600*	25600*
30.0	28.8	19900*	17500
34.3	.0	15500	12800
BOOM LENGTH 72 FT			
20.0	70.8	27300*	27300*
25.0	66.5	23000*	23000*
30.0	62.0	19800*	19000
35.0	57.4	16500	13900
40.0	52.5	12900	10500
45.0	47.2	10200	8000
50.0	41.4	8200	6200
55.0	34.8	6600	4700
60.0	26.9	5300	3600
65.0	15.5	4200	2600
67.3	.0	3700	2200

LOAD RADIUS (FT)	LOADED BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)
BOOM LENGTH 50 FT			
12.0	71.7	46500*	46500*
15.0	68.0	44200*	44200*
20.0	61.6	34600*	34600*
25.0	54.8	26100*	26100*
30.0	47.3	20500*	18300
35.0	38.7	15800	13200
40.0	27.9	12200	9800
45.0	7.9	9500	7200
45.3	.0	9300	7000
BOOM LENGTH 83 FT			
25.0	69.8	21700*	21700*
30.0	66.0	18200*	18200*
35.0	62.2	15800*	14100
40.0	58.1	13000	10700
45.0	53.9	10400	8200
50.0	49.5	8400	6400
55.0	44.7	6800	4900
60.0	39.5	5500	3800
65.0	33.6	4400	2800
70.0	26.6	3500	2000
75.0	17.0	2800	1300
78.3	.0	2300	900



Add 100Lbs to the chart values if the AUX BOOM HEAD SHEAVE is NOT ERECTED.

Courtesy of Crane Market

⚠ WARNING

GENERAL

1. Rated loads as shown on Lift Charts pertain to this machine as originally manufactured and equipped. Modifications to the machine or use of optional equipment other than that specified can result in a reduction of capacity.

2. Construction equipment can be hazardous if improperly operated or maintained. Operation and maintenance of this machine shall be in compliance with the information in the Operator's, Parts, and Safety Manuals supplied with this machine. If these manuals are missing, order replacements from the manufacturer through your distributor.

3. These warnings do not constitute all of the operating conditions for the crane. The operator and job site supervision must fully understand the OPERATORS MANUAL, CIMA SAFETY MANUAL, APPLICABLE OSHA REGULATIONS AND SOCIETY OF MECHANICAL ENGINEERS (ASME) SAFETY STANDARDS FOR CRANES.

4. This crane and its load ratings are in accordance with POWER CRANE & SHOVEL ASSOCIATION, STANDARD NO. 4, SAE CRANE LOAD STABILITY TEST CODE J-765A, SAE METHOD OF TEST FOR CRANE STRUCTURE J1063 AND APPLICABLE SAFETY CODE FOR CRANES, DERRICKS AND HOIST, ASME/ANSI B30.5.

DEFINITIONS

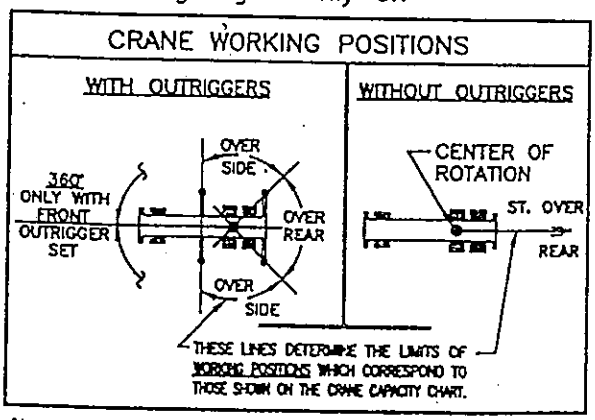
1. LOAD RADIUS – The horizontal distance from the axis of rotation before loading to the center of the vertical hoist line or tackle with a load applied.

2. LOADED BOOM ANGLE – It is the angle between the boom base section and the horizontal, after lifting the rated load at the rated radius. The boom angle before loading should be greater to account for deflections. The loaded boom angle combined with the boom length give only an approximation of the operating radius.

3. WORKING AREA – Areas measured in a circular arc about the centerline of rotation as shown in the diagram.

4. FREELY SUSPENDED LOAD – Load hanging free with no direct external force applied except by the hoist rope.

5. SIDE LOAD – Horizontal force applied to the lifted load either on the ground or in the air.



6. NO LOAD STABILITY LIMIT – The stability limit radius shown on the range diagrams is the radius beyond which it is not permitted to position the boom, when the boom angle is less than the minimum shown on the applicable load chart, because the machine can overturn without any load.

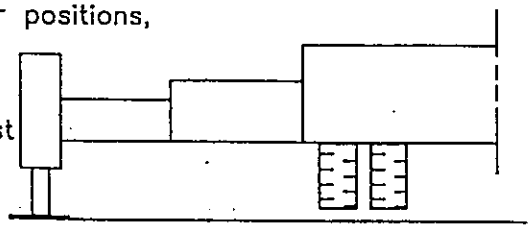
7. BOOM SIDE OF CRANE – The side of the crane over which the boom is positioned when in an OVER SIDE working position.

Courtesy of Crane Market

⚠ WARNING

SET–UP

1. Crane load ratings are based on the crane being leveled and standing on a firm, uniform supporting surface.
2. In load rating charts with only one outrigger position. Crane load ratings on outriggers are based on all outrigger beams being fully extended, In load rating charts with multiple outrigger positions, crane load ratings are independent of outrigger beam extention on the side of the crane opposite the boom side. For all on outriggers ratings, the tires must be free of the supporting surface.



3. Crane load ratings on tires depend on appropriate inflation pressure and the tire conditions. Caution must be exercised when increasing air pressures in tires. Consult Operator's Manual for precautions.
4. Use of jibs, lattice–type boom extensions, or fourth section pullouts extended is not permitted for pick and carry operations.
5. Consult appropriate section of the Operator's and Service Manual for more exact description of hoist line reeving.
6. The use of more parts of line than required by the load may result in having insufficient rope to allow the hook block to reach the ground.
7. Properly maintained wire rope is essential for safe crane operation. Consult Operator's Manual for proper maintenance and inspection requirements.
8. When spin–resistant wire rope is used, the allowable rope loading shall be the breaking strength divided by five (5), unless otherwise specified by the wire rope manufacturer.

OPERATION:

1. CRANE LOAD RATINGS MUST NOT BE EXCEEDED. DO NOT ATTEMPT TO TIP THE CRANE TO DETERMINE ALLOWABLE LOADS.
2. When either radius or boom length, or both, are between listed values, the smaller of the two listed load ratings shall be used.
3. Do not operate at longer radii than those listed on the applicable load rating chart (cross hatched areas shown on range diagrams) as tipping can occur without a load on the hook.
4. The boom angles shown on the Capacity Chart give an approximation of the operating radius for a specified boom length. The boom angle, before loading, should be greater to account for boom deflection. It may be necessary to retract the boom if maximum boom angle is insufficient to maintain rated radius.
5. Power telescoping boom sections must be extended equally.

Courtesy of Crane Market

SET–UP:

1. Crane load ratings are based on the crane being leveled and standing on a firm, uniform supporting surface.
2. Crane load ratings on outriggers are based on all outrigger beams being fully extended and the tires raised free of the supporting surface.

OPERATION:

1. CRANE LOAD RATINGS MUST NOT BE EXCEEDED. DO NOT ATTEMPT TO TIP THE CRANE TO DETERMINE ALLOWABLE LOADS.
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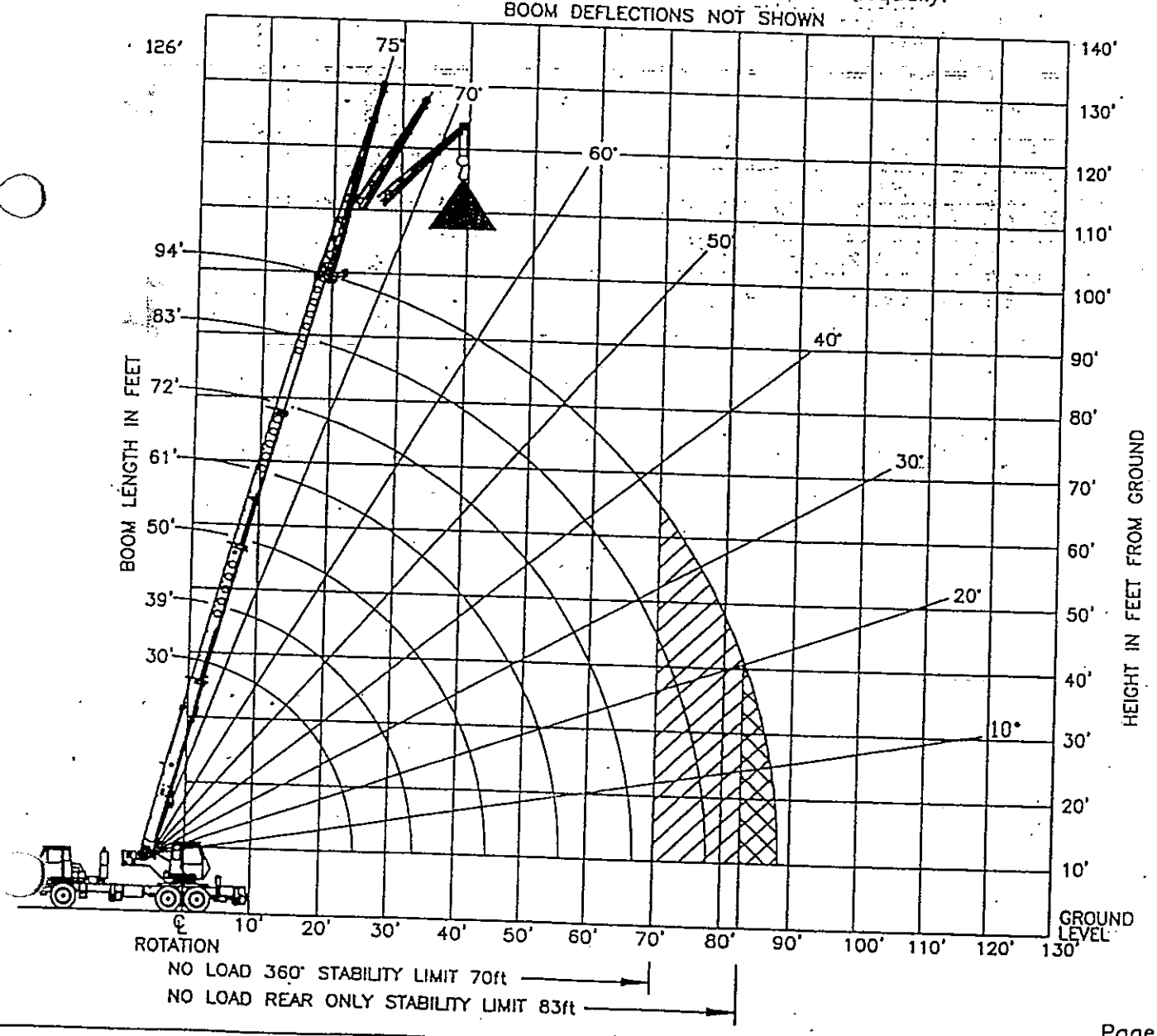
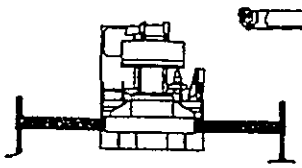
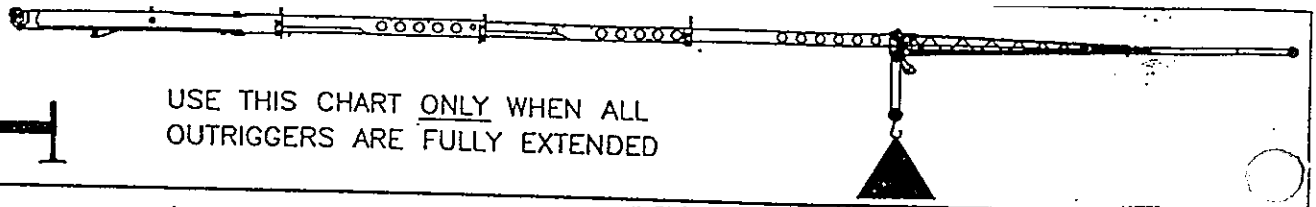
4. The boom angles shown on the Capacity Chart give an approximation of the operating radius for a specified boom length. The boom angle, before loading, should be greater to account for boom deflection. It may be necessary to retract the boom if maximum boom angle is insufficient to maintain rated radius.
5. Power telescoping boom sections must be extended equally.



Courtesy of Crane.Market

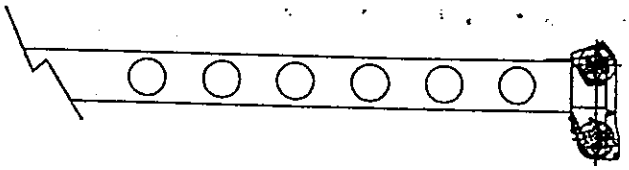


USE THIS CHART ONLY WHEN ALL OUTRIGGERS ARE FULLY EXTENDED



RATED LOAD ON OUTRIGGERS

LOAD RADIUS (FT)	LOADED BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)
BOOM LENGTH 30 FT			
9.0	65.1	78000*	78000*
10.0	63.0	68100*	68100*
12.0	58.5	59000*	59000*
15.0	51.4	46800*	46800*
20.0	37.4	32800*	32800*
25.0	13.7	24200*	24000
25.6	.0	23200*	22400
BOOM LENGTH 39 FT			
10.0	69.4	46500*	46500*
12.0	66.2	46500*	46500*
15.0	61.2	46500*	46500*
20.0	52.3	33700*	33700*
25.0	42.0	25200*	25200*
30.0	28.8	19500*	17100
34.3	.0	15100	12400
BOOM LENGTH 50 FT			
12.0	71.7	46500*	46500*
15.0	68.0	44200*	44200*
20.0	61.6	34300*	34300*
25.0	54.8	25800*	25800*
30.0	47.3	20200*	17900
35.0	38.7	15500	12900
40.0	27.9	11900	9500
45.0	7.9	9200	6900
45.3	.0	9000	6700
BOOM LENGTH 61 FT			
15.0	72.1	38000*	38000*
20.0	67.1	32900*	32900*
25.0	61.9	26200*	26200*
30.0	56.3	20600*	18400
35.0	50.4	16000	13400
40.0	43.9	12400	10000
45.0	36.5	9800	7500
50.0	27.3	7700	5700
55.0	13.0	6100	4200
56.3	.0	5700	3800
BOOM LENGTH 72 FT			
20.0	70.8	27300*	27300*
25.0	66.5	23000*	23000*
30.0	62.0	19800*	18800
35.0	57.4	16300	13700
40.0	52.5	12700	10300
45.0	47.2	10000	7800
50.0	41.4	8000	6000
55.0	34.8	6400	4600
60.0	26.9	5100	3400
65.0	15.5	4100	2400
67.3	.0	3600	2000
BOOM LENGTH 83 FT			
25.0	69.8	21700*	21700*
30.0	66.0	18200*	18200*
35.0	62.2	15800*	13900
40.0	58.1	12900	10500
45.0	53.9	10200	8000
50.0	49.5	8200	6200
55.0	44.7	6600	4800
60.0	39.5	5400	3600
65.0	33.6	4300	2700
70.0	26.6	3400	1900
75.0	17.0	2600	1200
78.3	.0	2100	
BOOM LENGTH 94 FT			
25.0	72.2	17400*	17400*
30.0	69.0	14900*	14900*
35.0	65.7	13000*	13000*
40.0	62.2	11400*	10600
45.0	58.7	10000*	8200
50.0	55.1	8400	6300
55.0	51.2	6800	4900
60.0	47.2	5500	3800
65.0	42.8	4400	2800
70.0	38.0	3600	2000
75.0	32.7	2800	1400
80.0	26.4	2100	
85.0	18.1	1600	
89.3	.0	1100	



Add 100Lbs to the chart values if the AUX BOOM HEAD SHEAVE is NOT ERECTED.

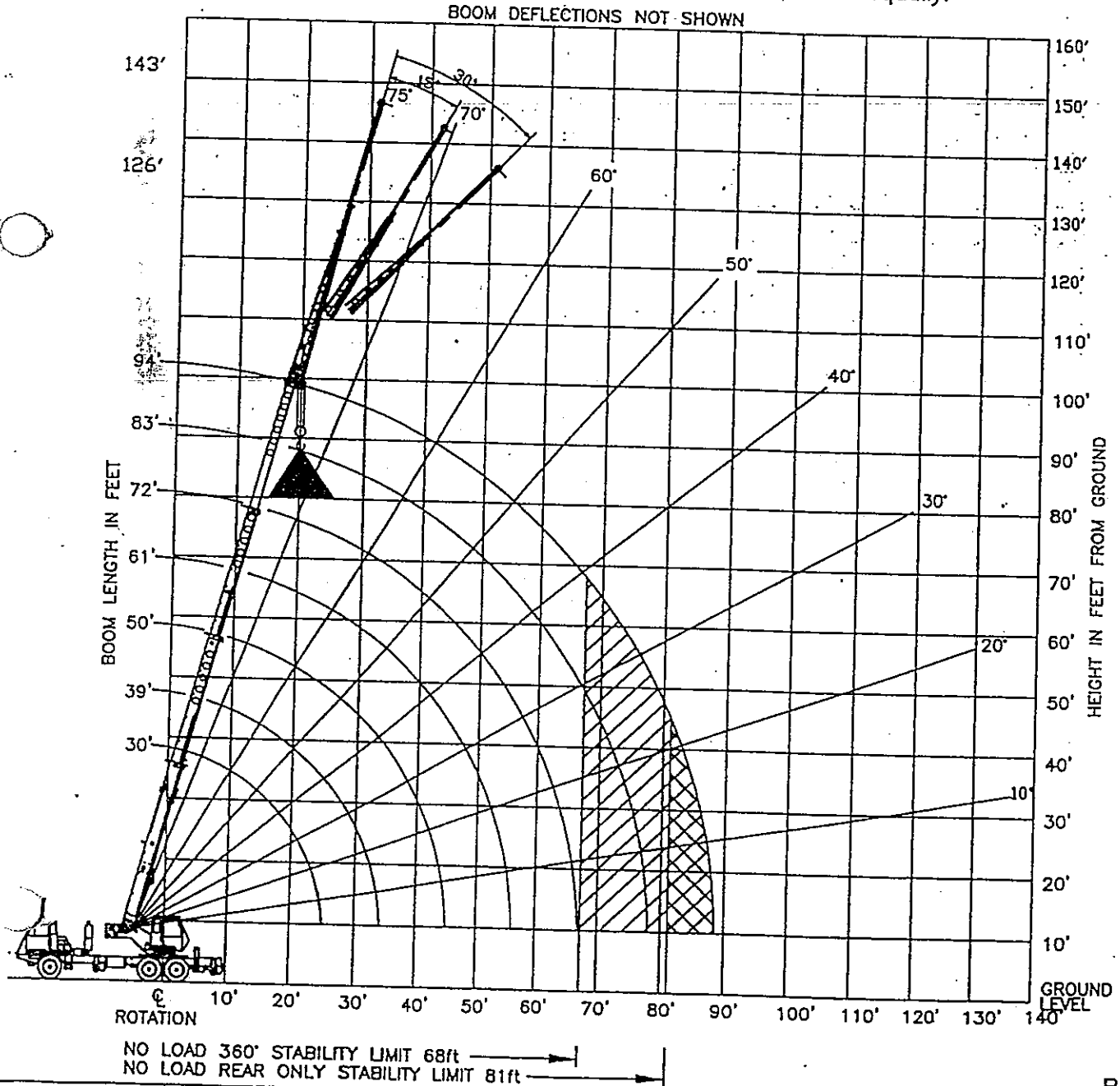
Courtesy of Crane Market

SET–UP:

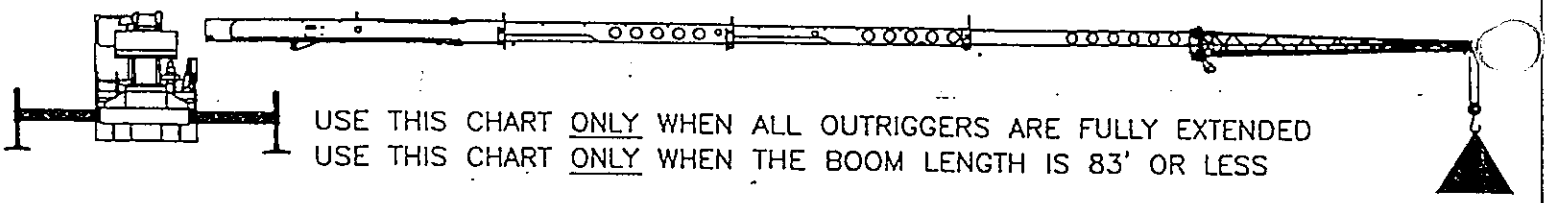
1. Crane load ratings are based on the crane being leveled and standing on a firm, uniform supporting surface.
2. Crane load ratings on outriggers are based on all outrigger beams being fully extended and the tires raised free of the supporting surface.

OPERATION:

1. CRANE LOAD RATINGS MUST NOT BE EXCEEDED. DO NOT ATTEMPT TO TIP THE CRANE TO DETERMINE ALLOWABLE LOADS.
2. When either radius or boom length, or both, are between listed values, the smaller of the two listed load ratings shall be used.
3. Do not operate at longer radii than those listed on the applicable load rating chart (cross hatched areas shown on range diagrams) as tipping can occur without a load on the hook.
4. The boom angles shown on the Capacity Chart give an approximation of the operating radius for a specified boom length. The boom angle, before loading, should be greater to account for boom deflection. It may be necessary to retract the boom if maximum boom angle is insufficient to maintain rated radius.
5. Power telescoping boom sections must be extended equally.

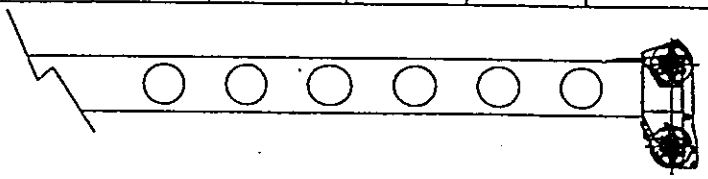


Courtesy of Crane Market



USE THIS CHART ONLY WHEN ALL OUTRIGGERS ARE FULLY EXTENDED
USE THIS CHART ONLY WHEN THE BOOM LENGTH IS 83' OR LESS

83 FT BOOM LENGTH WITH A 32 FT OFFSET JIB									
	0° OFFSET			15° OFFSET			30° OFFSET		
LOADED BOOM ANGLE (DEG)	(REF) LOAD RADIUS (FT)	REAR ONLY (LB)	360° (LB)	(REF) LOAD RADIUS (FT)	REAR ONLY (LB)	360° (LB)	(REF) LOAD RADIUS (FT)	REAR ONLY (LB)	360° (LB)
75	34'	10500*	10500*	41'	7600*	7600*	49'	5800*	5800*
73	37'	10200*	9800	45'	7200*	7200*	51'	5700*	5700*
71	40'	9900*	9100	48'	7000*	7000*	54'	5600*	5600*
68	46'	9200*	8100	53'	6600*	6600*	58'	5400*	5400*
65	51'	8500*	7300	57'	6300*	6300*	62'	5200*	5200*
62	55'	7600*	6500	62'	5800*	5800*	66'	4900*	4900*
59	60'	6800	5700	66'	5400*	5200	70'	4600*	4600*
55	66'	6000	4700	71'	4800*	4400	76'	4300*	3800
51	72'	5200	3800	77'	4300*	3600	80'	3900*	3200
47	77'	4500	3200	82'	3800*	3100	85'	3600*	2800
43	82'	3900	2600	87'	3400*	2600	89'	3200*	2400
38	88'	3300	2000	92'	3000*	2100	94'	2900*	1900
32	95'	2700	1400	98'	2500	1500	99'	2500	1500
25	100'	2300	1000	103'	2100	1100			
17	106'	2000	700	107'	1800	900			
0	111'	1600							



Add 100Lbs to the chart values if the AUX BOOM HEAD SHEAVE is NOT ERECTED.

SET-UP:

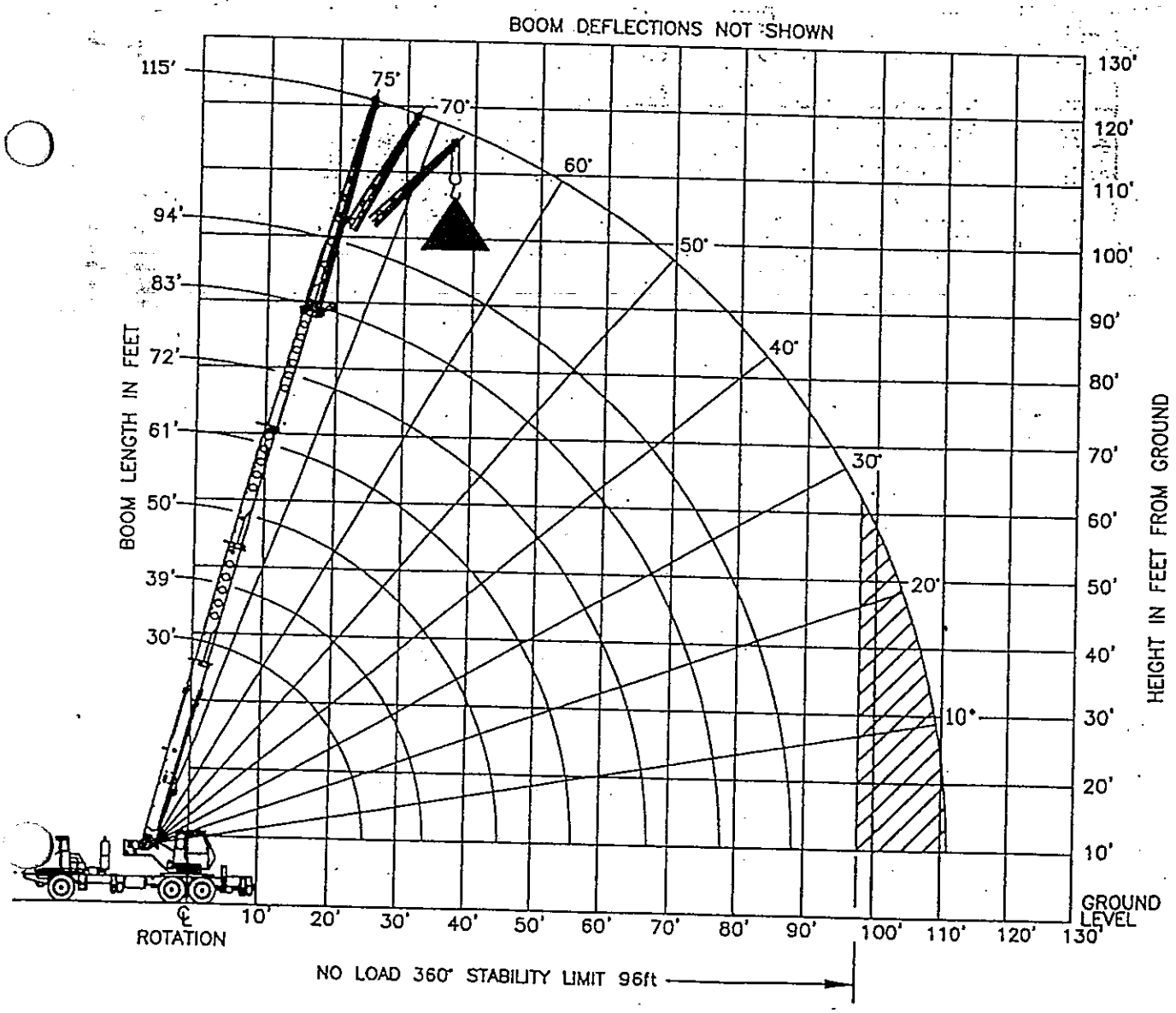
1. Crane load ratings are based on the crane being leveled and standing on a firm, uniform supporting surface.

2. Crane load ratings on outriggers are based on all outrigger beams being fully extended and the tires raised free of the supporting surface.

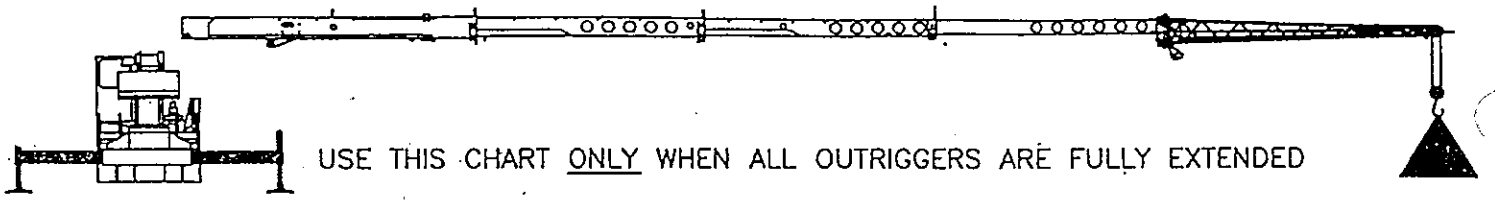
Courtesy of Crane.Market

OPERATION:

1. CRANE LOAD RATINGS MUST NOT BE EXCEEDED. DO NOT ATTEMPT TO TIP THE CRANE TO DETERMINE ALLOWABLE LOADS.
2. When either radius or boom angle, or both, are between listed values, the smaller of the two listed load ratings shall be used.
3. Do not operate at longer radii than those listed on the applicable load rating chart (cross hatched areas shown on range diagrams) as tipping can occur without a load on the hook.
4. The boom angles shown on the Capacity Chart give an approximation of the operating radius for a fully extended boom. The boom angle, before loading, should be greater to account for boom deflection. It may be necessary to retract the boom if maximum boom angle is insufficient to maintain rated radius.
5. Power telescoping boom sections must be extended equally.
6. For all boom lengths less than the maximum with the jib erected, the rated loads are determined by boom angle only in the appropriate column.
7. For boom angles not shown, use the capacity of the next lower angle.
8. Listed radii are for fully extended boom only.

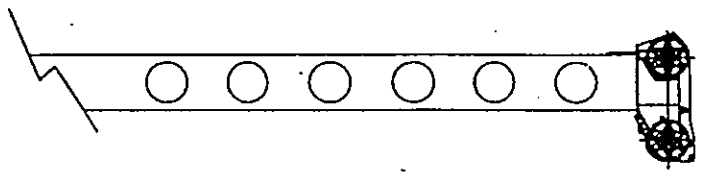


Courtesy of Crane.Market



USE THIS CHART ONLY WHEN ALL OUTRIGGERS ARE FULLY EXTENDED

32 FT OFFSET JIB									
	0° OFFSET			15° OFFSET			30° OFFSET		
LOADED BOOM ANGLE (DEG)	(REF) LOAD RADIUS (FT)	REAR ONLY (LB)	360° (LB)	(REF) LOAD RADIUS (FT)	REAR ONLY (LB)	360° (LB)	(REF) LOAD RADIUS (FT)	REAR ONLY (LB)	360° (LB)
75	38'	9000*	9000*	46'	7600*	7600*	52'	5800*	5800*
73	42'	8500*	8500*	49'	7200*	7200*	55'	5700*	5700*
71	45'	8100*	8100*	52'	6900*	6900*	58'	5500*	5500*
68	50'	7700*	7300	58'	6100*	6100*	63'	5000*	5000*
65	56'	6600*	6200	63'	5400*	5400*	68'	4500*	4500*
62	61'	5800*	4900	68'	4800*	4600	73'	4100*	4100*
59	66'	5100*	4000	73'	4300*	3900	77'	3700*	3700*
55	73'	4300*	3400	79'	3800*	3200	83'	3300*	3000
51	79'	3700*	2800	85'	3300*	2500	88'	3000*	2400
47	86'	3200*	2200	91'	2800*	2000	94'	2700*	2000
43	92'	2800*	1800	97'	2600*	1600	99'	2400*	1600
38	100'	2300*	1300	103'	2200*	1200	105'	2100*	1200
32	106'	1900	800	109'	1800	800	110'	1800*	800
25	113'	1500		114'	1500				
17	118'	1100		118'	1100				



Add 100Lbs to the chart values if the AUX BOOM HEAD SHEAVE is NOT ERECTED.

SET-UP:

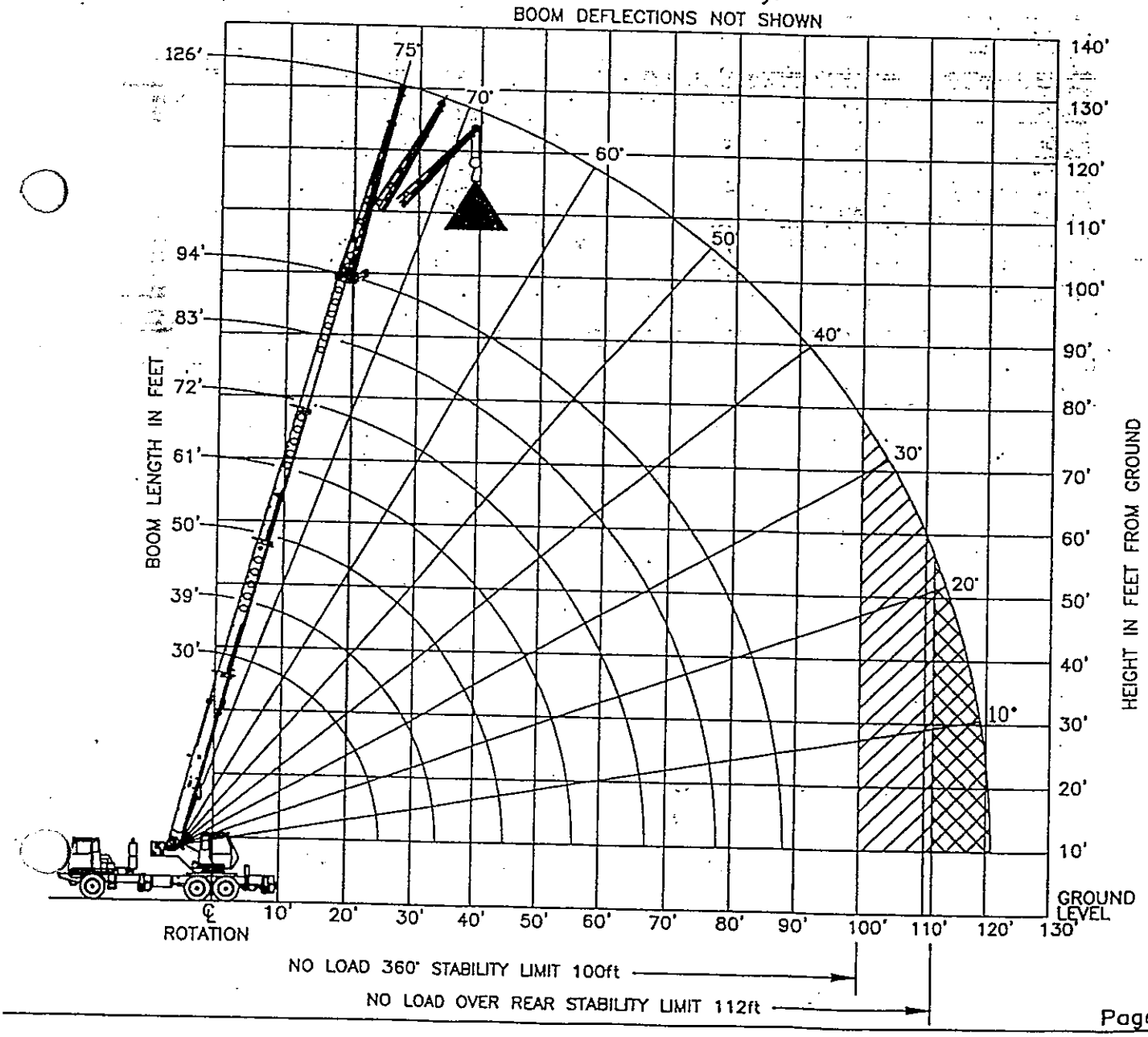
1. Crane load ratings are based on the crane being leveled and standing on a firm, uniform supporting surface.

2. Crane load ratings on outriggers are based on all outrigger beams being fully extended and the tires raised free of the supporting surface.

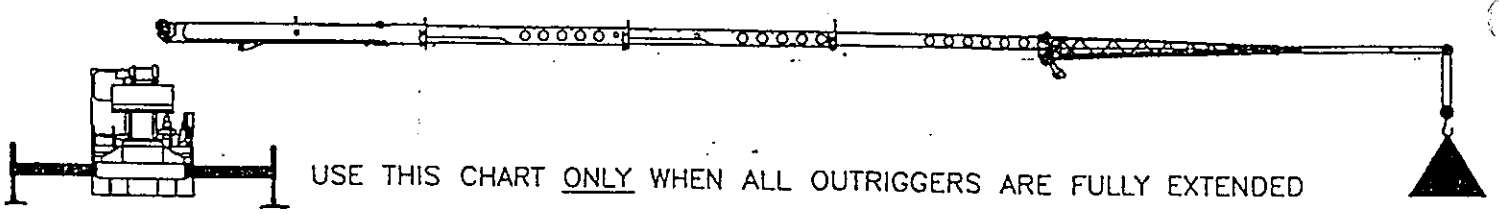
Courtesy of Crane Market

OPERATION:

1. CRANE LOAD RATINGS MUST NOT BE EXCEEDED. DO NOT ATTEMPT TO TIP THE CRANE TO DETERMINE ALLOWABLE LOADS.
2. When either radius or boom angle, or both, are between listed values, the smaller of the two listed load ratings shall be used.
3. Do not operate at longer radii than those listed on the applicable load rating chart (cross hatched areas shown on range diagrams) as tipping can occur without a load on the hook.
4. The boom angles shown on the Capacity Chart give an approximation of the operating radius for a fully extended boom. The boom angle, before loading, should be greater to account for boom deflection. It may be necessary to retract the boom if maximum boom angle is insufficient to maintain rated radius.
5. Power telescoping boom sections must be extended equally.
6. For all boom lengths less than the maximum with the jib erected, the rated loads are determined by boom angle only in the appropriate column.
7. For boom angles not shown, use the capacity of the next lower angle.
8. Listed radii are for fully extended boom only.

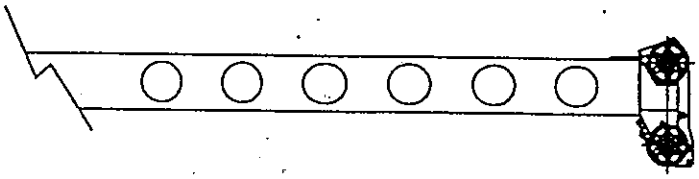


Courtesy of Crane.Market



USE THIS CHART ONLY WHEN ALL OUTRIGGERS ARE FULLY EXTENDED

36 FT OFFSET JIB									
	0° OFFSET			15° OFFSET			30° OFFSET		
LOADED BOOM ANGLE (DEG)	(REF) LOAD RADIUS (FT)	REAR ONLY (LB)	360° (LB)	(REF) LOAD RADIUS (FT)	REAR ONLY (LB)	360° (LB)	(REF) LOAD RADIUS (FT)	REAR ONLY (LB)	360° (LB)
75	40'	8500*	8500*	48'	7200*	7200*	56'	5400*	5400*
73	43'	8000*	8000*	52'	6800*	6800*	59'	5300*	5300*
71	47'	7600*	7600*	55'	6400*	6400*	62'	5000*	5000*
68	53'	7300*	7100	61'	5600*	5600*	67'	4600*	4600*
65	58'	6300*	5900	66'	5000*	5000*	72'	4200*	4200*
62	63'	5500*	4700	71'	4400*	4400*	77'	3800*	3800*
59	69'	4800*	4000	76'	4000*	3800	81'	3500*	3500*
55	75'	4100*	3300	82'	3500*	3000	87'	3100*	2700
51	81'	3600*	2600	89'	3100*	2400	93'	2800*	2200
47	89'	3100*	2100	95'	2800*	2000	98'	2500*	1800
43	98'	2700*	1600	101'	2400*	1600	103'	2300*	1400
38	104'	2200	1200	108'	2100*	1100	109'	2000*	1000
32	111'	1700	800	114'	1700	700	115'	1700*	600
25	117'	1400		119'	1300				
17	122'	1100		123'	1100				



Add 100Lbs to the chart values if the AUX BOOM HEAD SHEAVE is NOT ERECTED.

SET–UP:

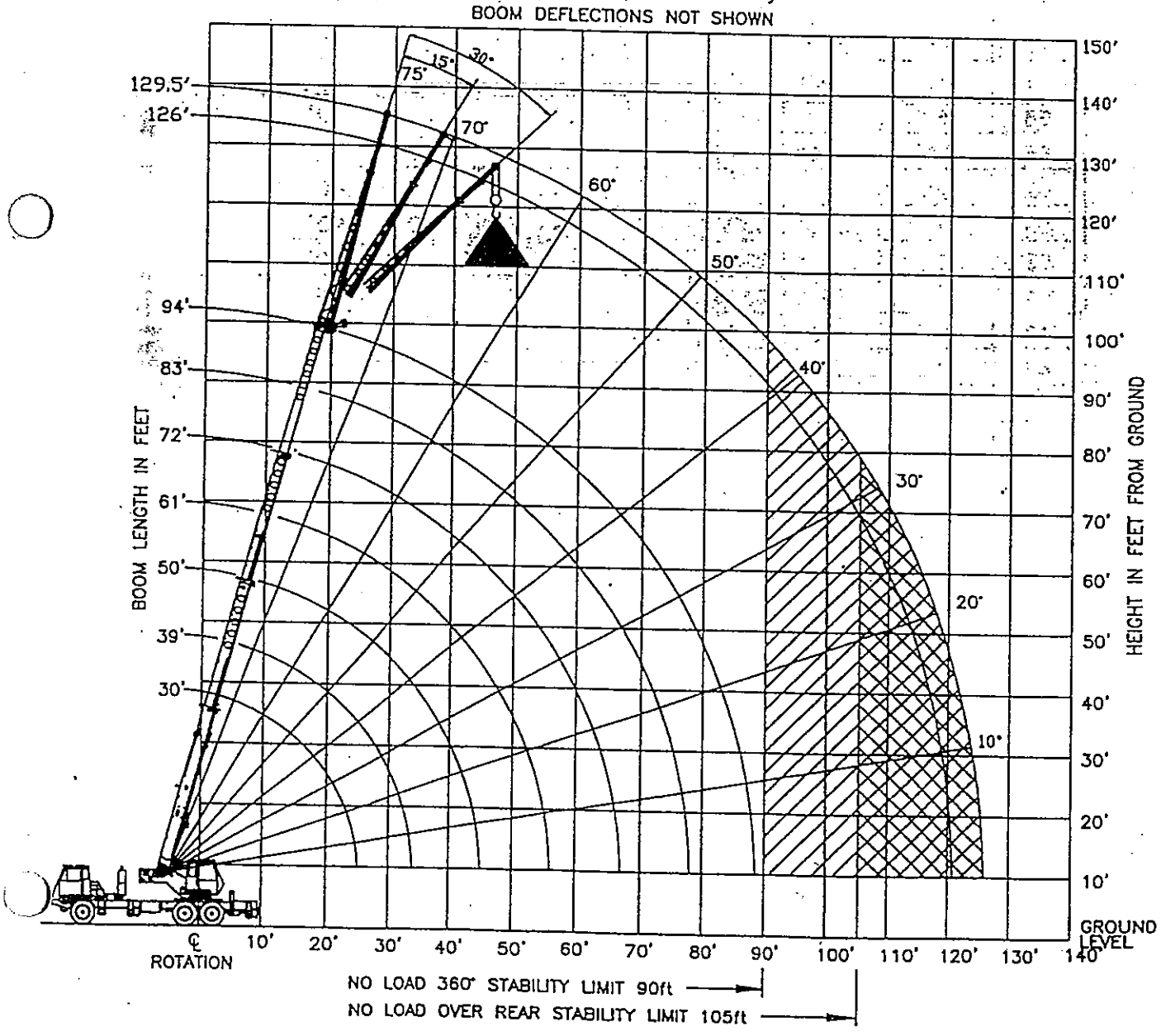
1. Crane load ratings are based on the crane being leveled and standing on a firm, uniform supporting surface.

2. Crane load ratings on outriggers are based on all outrigger beams being fully extended and the tires raised free of the supporting surface.

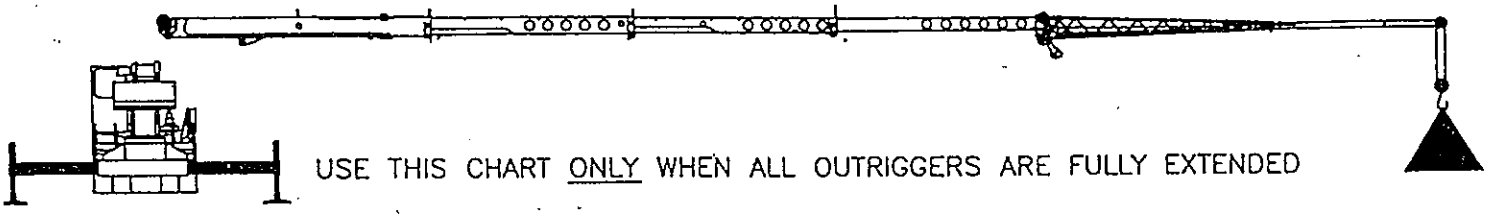
Courtesy of Crane Market

OPERATION:

1. CRANE LOAD RATINGS MUST NOT BE EXCEEDED. DO NOT ATTEMPT TO TIP THE CRANE TO DETERMINE ALLOWABLE LOADS.
2. When either radius or boom angle, or both, are between listed values, the smaller of the two listed load ratings shall be used.
3. Do not operate at longer radii than those listed on the applicable load rating chart (cross hatched areas shown on range diagrams) as tipping can occur without a load on the hook.
4. The boom angles shown on the Capacity Chart give an approximation of the operating radius for a fully extended boom. The boom angle, before loading, should be greater to account for boom deflection. It may be necessary to retract the boom if maximum boom angle is insufficient to maintain rated radius.
5. Power telescoping boom sections must be extended equally.
6. For all boom lengths less than the maximum with the jib erected, the rated loads are determined by boom angle only in the appropriate column.
7. For boom angles not shown, use the capacity of the next lower angle.
8. Listed radii are for fully extended boom only.

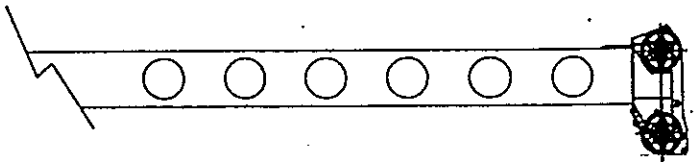


Courtesy of Crane Market



USE THIS CHART ONLY WHEN ALL OUTRIGGERS ARE FULLY EXTENDED

49 FT OFFSET JIB									
	0° OFFSET			15° OFFSET			30° OFFSET		
LOADED BOOM ANGLE (DEG)	(REF) LOAD RADIUS (FT)	REAR ONLY (LB)	360° (LB)	(REF) LOAD RADIUS (FT)	REAR ONLY (LB)	360° (LB)	(REF) LOAD RADIUS (FT)	REAR ONLY (LB)	360° (LB)
75	41'	5000*	5000*	55'	3300*	3300*	62'	2600*	2600*
73	47'	4700*	4700*	59'	3200*	3200*	68'	2600*	2600*
71	52'	4400*	4400*	64'	3100*	3100*	73'	2500*	2500*
68	60'	4000*	4000*	70'	2900*	2900*	79'	2400*	2400*
65	66'	3700*	3700*	76'	2800*	2800*	84'	2400*	2400*
62	71'	3500*	3500*	81'	2700*	2700*	88'	2300*	2300*
59	77'	3300*	3300*	86'	2600*	2600*	93'	2300*	2300
55	84'	3000*	2900	93'	2500*	2300	99'	2200*	2200
51	91'	2800*	2300	99'	2400*	1900	105'	2200*	1900
47	100'	2700*	1800	106'	2300*	1500	110'	2100*	1500
43	109'	2300*	1400	112'	2000	1200	116'	1900*	1200
38	116'	1900	900	119'	1700	900	122'	1700*	900
32	122'	1500	600	126'	1400	500	127'	1400	500
25	129'	1200		131'	1100				
17	133'	900		135'	900				



Add 100Lbs to the chart values if the AUX BOOM HEAD SHEAVE is NOT ERECTED.

SET-UP:

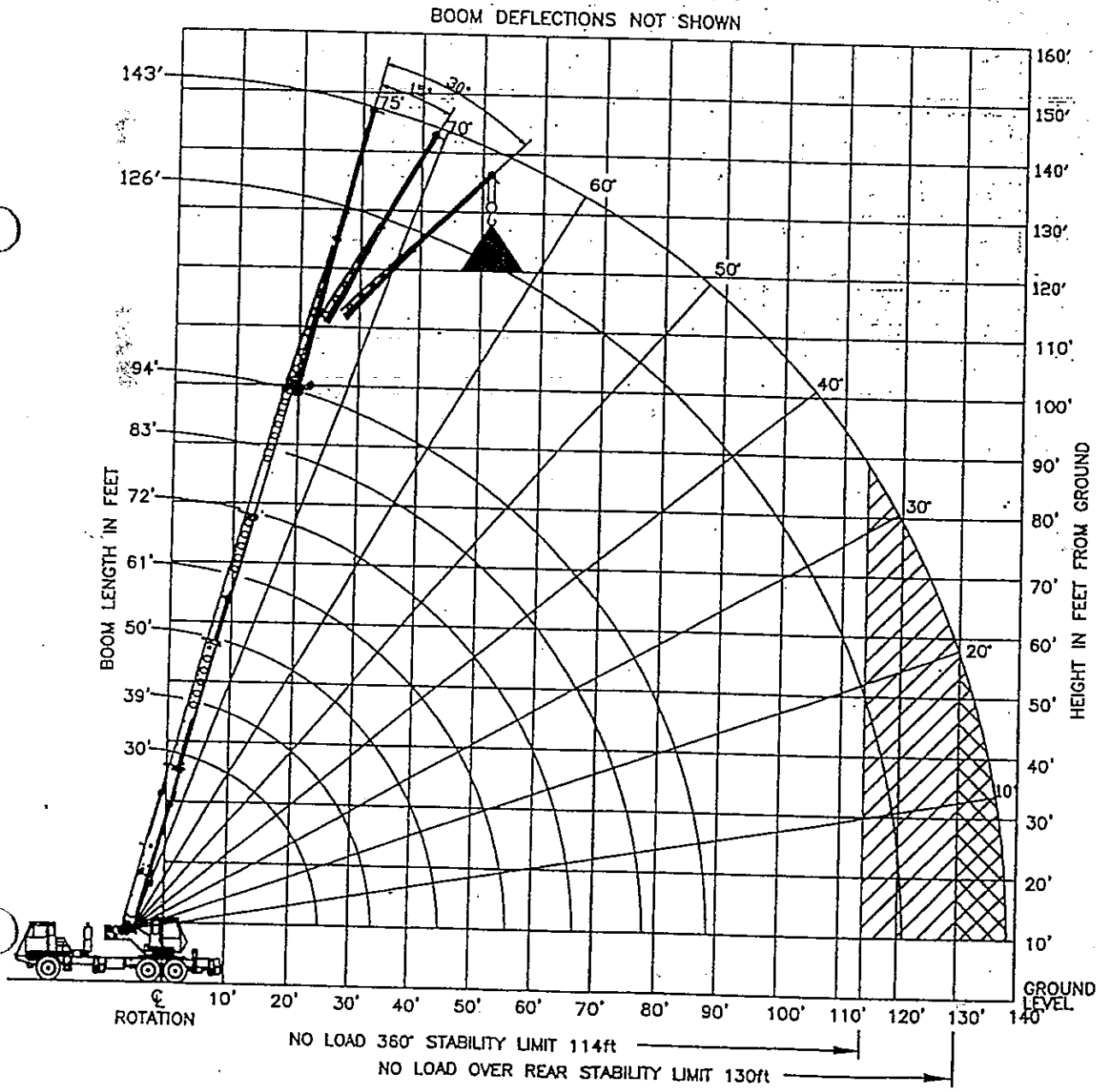
1. Crane load ratings are based on the crane being leveled and standing on a firm, uniform supporting surface.

2. Crane load ratings on outriggers are based on all outrigger beams being fully extended and the tires raised free of the supporting surface.

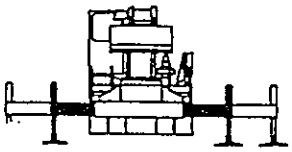
Courtesy of Crane Market

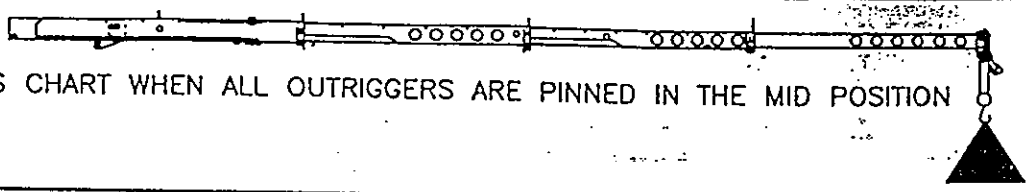
OPERATION:

1. CRANE LOAD RATINGS MUST NOT BE EXCEEDED. DO NOT ATTEMPT TO TIP THE CRANE TO DETERMINE ALLOWABLE LOADS.
2. When either radius or boom angle, or both, are between listed values, the smaller of the two listed load ratings shall be used.
3. Do not operate at longer radii than those listed on the applicable load rating chart (cross hatched areas shown on range diagrams) as tipping can occur without a load on the hook.
4. The boom angles shown on the Capacity Chart give an approximation of the operating radius for a fully extended boom. The boom angle, before loading, should be greater to account for boom deflection. It may be necessary to retract the boom if maximum boom angle is insufficient to maintain rated radius.
5. Power telescoping boom sections must be extended equally.
6. For all boom lengths less than the maximum with the jib erected, the rated loads are determined by boom angle only in the appropriate column.
7. For boom angles not shown, use the capacity of the next lower angle.
8. Listed radii are for fully extended boom only.



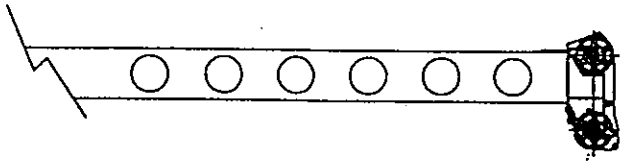
Courtesy of Crane.Market





USE THIS CHART WHEN ALL OUTRIGGERS ARE PINNED IN THE MID POSITION

RATED LOAD ON OUTRIGGERS								
LOAD RADIUS (FT)	LOADED BOOM ANGLE (DEG)	360° (LB)	LOAD RADIUS (FT)	LOADED BOOM ANGLE (DEG)	360° (LB)	LOAD RADIUS (FT)	LOADED BOOM ANGLE (DEG)	360° (LB)
BOOM LENGTH 30 FT			BOOM LENGTH 39 FT			BOOM LENGTH 50 FT		
9.0	65.1	77800*						
10.0	63.0	69900*	10.0	69.4	46500*			
12.0	58.5	57700*	12.0	66.2	46500*	12.0	71.7	46500*
15.0	51.4	37000	15.0	61.2	37800	15.0	68.0	38400
20.0	37.4	20600	20.0	52.3	21300	20.0	61.6	21800
25.0	13.7	12900	25.0	42.0	13900	25.0	54.8	14300
25.6	.0	12100	30.0	28.8	9600	30.0	47.3	10100
			34.3	.0	6900	35.0	38.7	7300
BOOM LENGTH 61 FT			BOOM LENGTH 72 FT			40.0	27.9	5400
						45.0	7.9	3800
						45.3	.0	3700
15.0	72.1	38000*				BOOM LENGTH 83 FT		
20.0	67.1	22100	20.0	70.8	22300			
25.0	61.9	14600	25.0	66.5	14800	25.0	69.8	14900
30.0	56.3	10400	30.0	62.0	10500	30.0	66.0	10700
35.0	50.4	7600	35.0	57.4	7800	35.0	62.2	7900
40.0	43.9	5700	40.0	52.5	5900	40.0	58.1	6000
45.0	36.5	4300	45.0	47.2	4400	45.0	53.9	4600
50.0	27.3	3100	50.0	41.4	3300	50.0	49.5	3500
55.0	13.0	2200	55.0	34.8	2500	55.0	44.7	2600
56.3	.0	1900	60.0	26.9	1700	60.0	39.5	1900
BOOM LENGTH 94 FT								
25.0	72.2	15000						
30.0	69.0	10700						
35.0	65.7	8000						
40.0	62.2	6100						
45.0	58.7	4600						
50.0	55.1	3500						
55.0	51.2	2700						
60.0	47.2	2000						



Add 100Lbs to the chart values if the AUX BOOM HEAD SHEAVE is NOT ERECTED.

Courtesy of Crane.Market

SET–UP:

1. Crane load ratings are based on the crane being leveled and standing on a firm, uniform supporting surface.

2. Crane load ratings on outriggers are based on all outrigger beams being fully extended and the tires raised free of the supporting surface.

OPERATION:

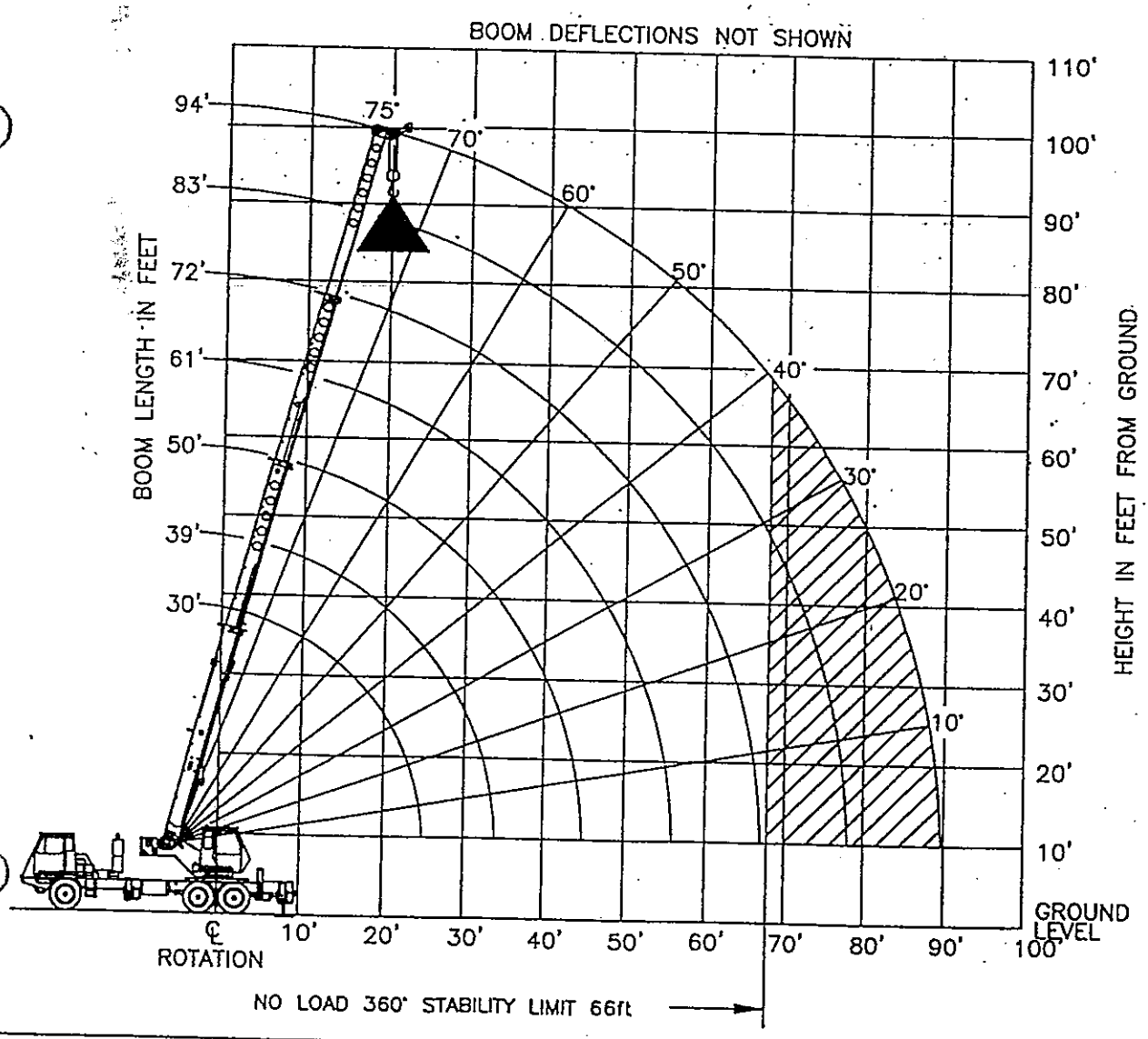
1. CRANE LOAD RATINGS MUST NOT BE EXCEEDED. DO NOT ATTEMPT TO TIP THE CRANE TO DETERMINE ALLOWABLE LOADS.

2. When either radius or boom length, or both, are between listed values, the smaller of the two listed load ratings shall be used.

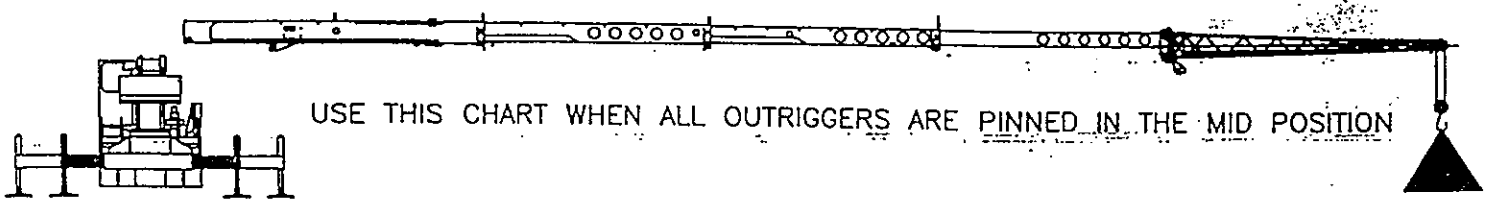
3. Do not operate at longer radii than those listed on the applicable load rating chart (cross hatched areas shown on range diagrams) as tipping can occur without a load on the hook.

4. The boom angles shown on the Capacity Chart give an approximation of the operating radius for a specified boom length. The boom angle, before loading, should be greater to account for boom deflection. It may be necessary to retract the boom if maximum boom angle is insufficient to maintain rated radius.

5. Power telescoping boom sections must be extended equally.

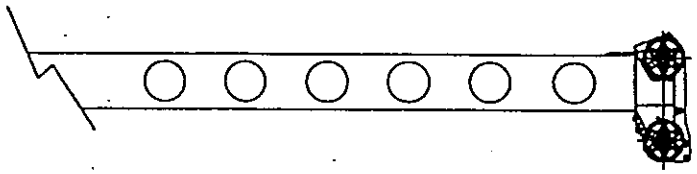


Courtesy of Crane.Market



USE THIS CHART WHEN ALL OUTRIGGERS ARE PINNED IN THE MID POSITION

32 FT OFFSET JIB						
	0° OFFSET		15° OFFSET		30° OFFSET	
LOADED BOOM ANGLE (DEG)	(REF) LOAD RADIUS (FT)	360° (LB)	(REF) LOAD RADIUS (FT)	360° (LB)	(REF) LOAD RADIUS (FT)	360° (LB)
75	38'	7,600	46'	5,700	52'	4,200
73	42'	6,300	49'	4,900	55'	4,200
71	45'	5,300	52'	4,200	58'	3,500
68	50'	3,900	58'	3,300	63'	2,800
65	56'	2,900	63'	2,500	68'	2,100
62	61'	2,200	68'	1,800	73'	1,600



Add 100Lbs to the chart values if the AUX BOOM HEAD SHEAVE is NOT ERECTED.

SET-UP:

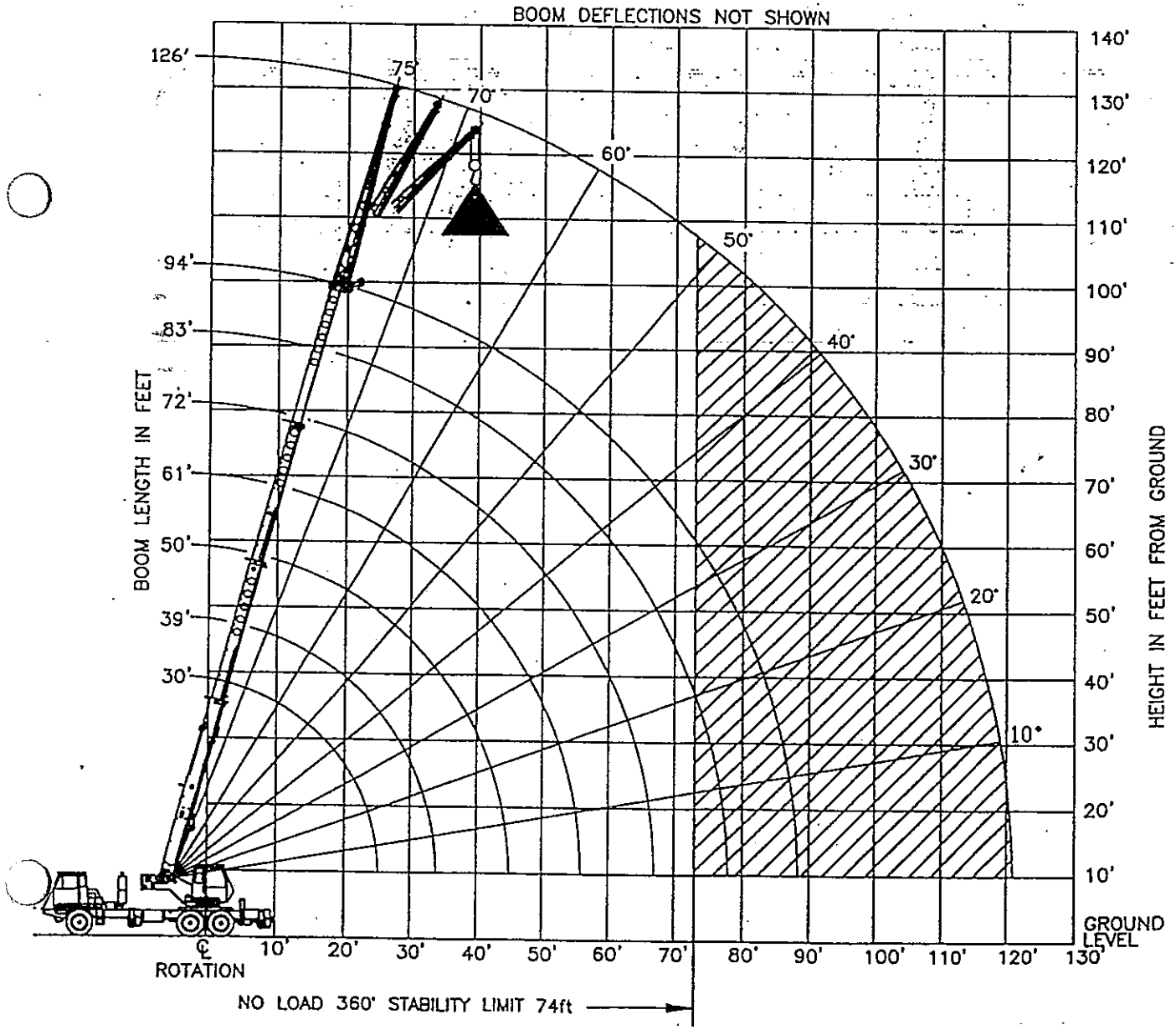
1. Crane load ratings are based on the crane being leveled and standing on a firm, uniform supporting surface.

2. Crane load ratings on outriggers are based on all outrigger beams being fully extended and the tires raised free of the supporting surface.

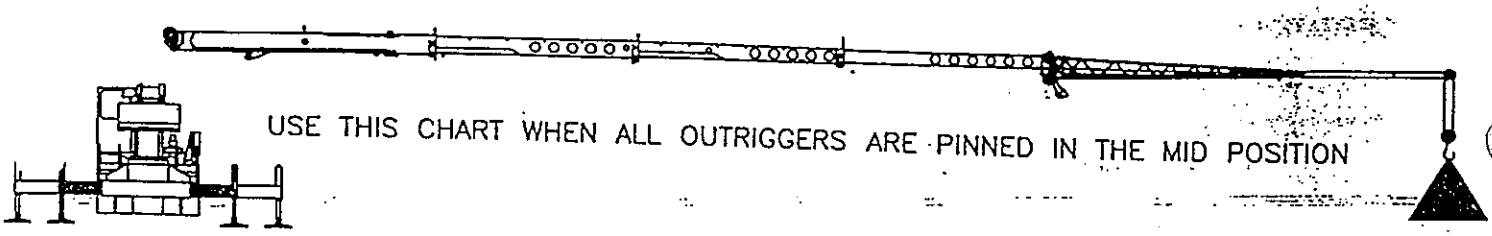
Courtesy of Crane.Market

OPERATION:

1. CRANE LOAD RATINGS MUST NOT BE EXCEEDED. DO NOT ATTEMPT TO TIP THE CRANE TO DETERMINE ALLOWABLE LOADS.
2. When either radius or boom angle, or both, are between listed values, the smaller of the two listed load ratings shall be used.
3. Do not operate at longer radii than those listed on the applicable load rating chart (cross hatched areas shown on range diagrams) as tipping can occur without a load on the hook.
4. The boom angles shown on the Capacity Chart give an approximation of the operating radius for a fully extended boom. The boom angle, before loading, should be greater to account for boom deflection. It may be necessary to retract the boom if maximum boom angle is insufficient to maintain rated radius.
5. Power telescoping boom sections must be extended equally.
6. For all boom lengths less than the maximum with the jib erected, the rated loads are determined by boom angle only in the appropriate column.
7. For boom angles not shown, use the capacity of the next lower angle.
8. Listed radii are for fully extended boom only.

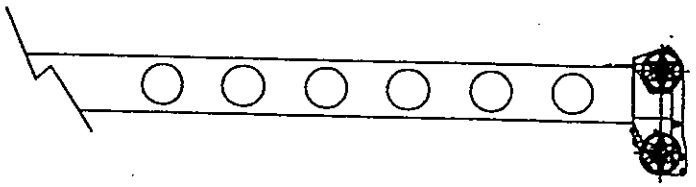


Courtesy of Crane.Market



USE THIS CHART WHEN ALL OUTRIGGERS ARE PINNED IN THE MID POSITION

36 FT OFFSET JIB						
	0° OFFSET		15° OFFSET		30° OFFSET	
LOADED BOOM ANGLE (DEG)	(REF) LOAD RADIUS (FT)	360° (LB)	(REF) LOAD RADIUS (FT)	360° (LB)	(REF) LOAD RADIUS (FT)	360° (LB)
75	40'	7100	48'	5000	56'	4500
73	43'	5800	52'	4400	59'	3800
71	47'	5000	55'	4000	62'	3300
68	53'	3700	61'	3300	67'	2500
65	58'	2700	66'	2600	72'	1900
62	63'	2000	71'	1900		



Add 100Lbs to the chart values if the AUX BOOM HEAD SHEAVE is NOT ERECTED.

SET-UP:

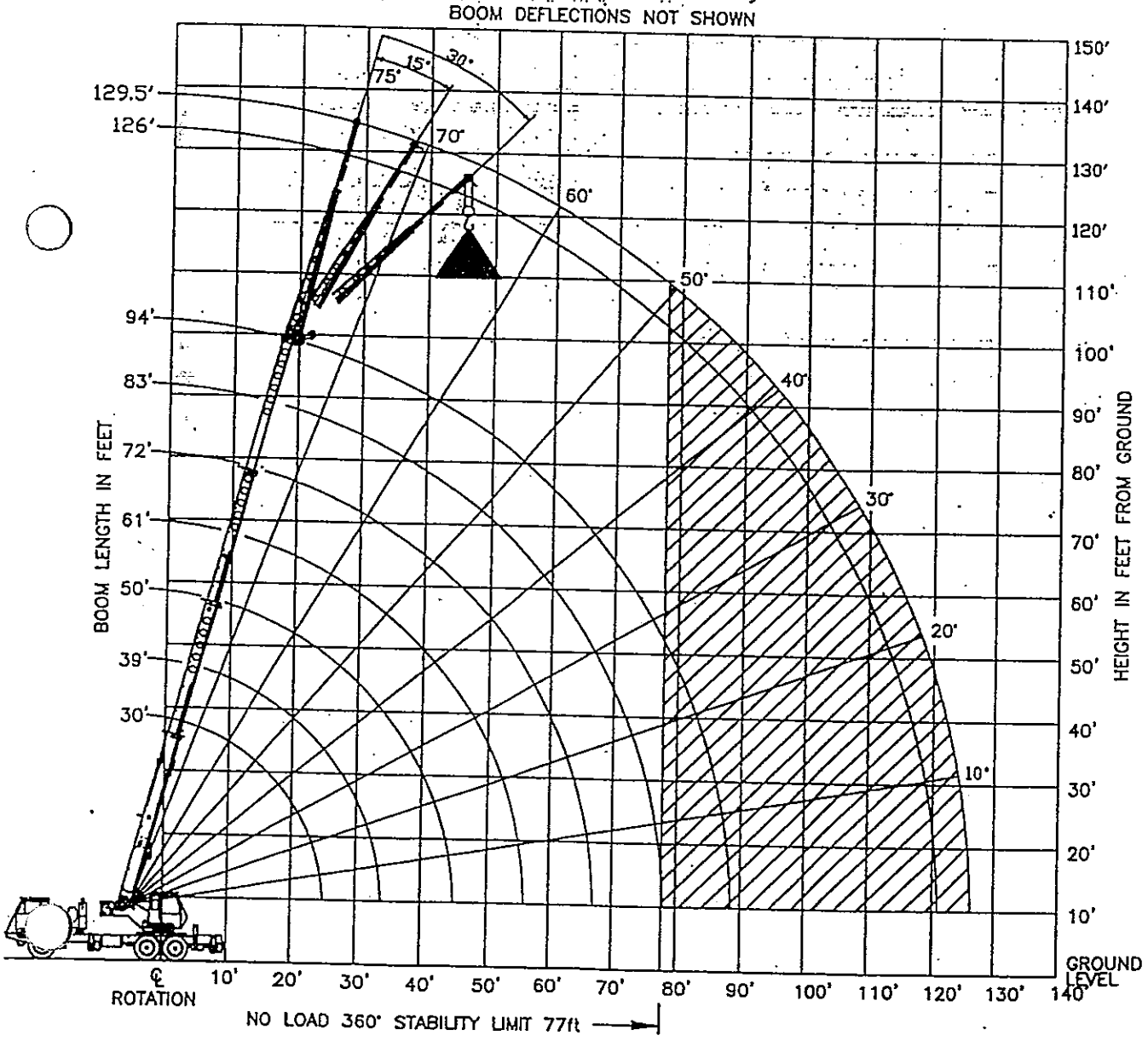
1. Crane load ratings are based on the crane being leveled and standing on a firm, uniform supporting surface.

2. Crane load ratings on outriggers are based on all outrigger beams being fully extended and the tires raised free of the supporting surface.

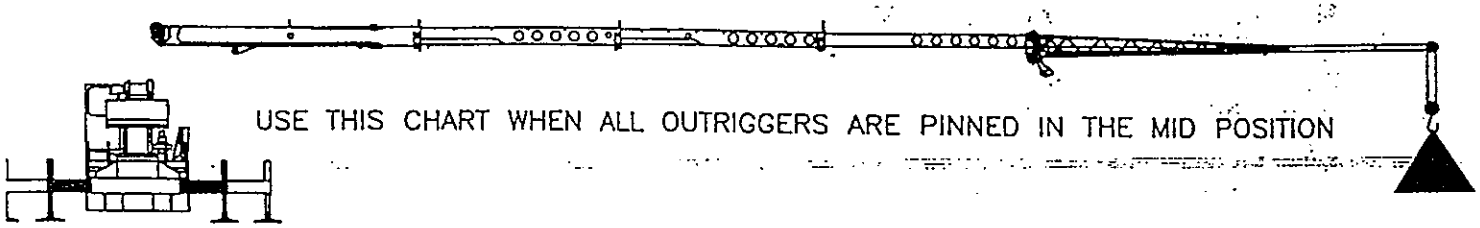
Courtesy of Crane.Market

OPERATION:

1. CRANE LOAD RATINGS MUST NOT BE EXCEEDED. DO NOT ATTEMPT TO TIP THE CRANE TO DETERMINE ALLOWABLE LOADS.
2. When either radius or boom angle, or both, are between listed values, the smaller of the two listed load ratings shall be used.
3. Do not operate at longer radii than those listed on the applicable load rating chart (cross hatched areas shown on range diagrams) as tipping can occur without a load on the hook.
4. The boom angles shown on the Capacity Chart give an approximation of the operating radius for a fully extended boom. The boom angle, before loading, should be greater to account for boom deflection. It may be necessary to retract the boom if maximum boom angle is insufficient to maintain rated radius.
5. Power telescoping boom sections must be extended equally.
6. For all boom lengths less than the maximum with the jib erected, the rated loads are determined by boom angle only in the appropriate column.
7. For boom angles not shown, use the capacity of the next lower angle.
8. Listed radii are for fully extended boom only.

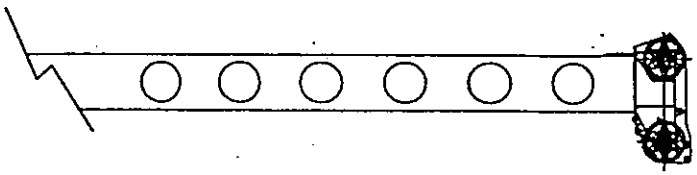


Courtesy of Crane.Market



USE THIS CHART WHEN ALL OUTRIGGERS ARE PINNED IN THE MID POSITION

49 FT OFFSET JIB						
	0° OFFSET		15° OFFSET		30° OFFSET	
LOADED BOOM ANGLE (DEG)	(REF) LOAD RADIUS (FT)	360° (LB)	(REF) LOAD RADIUS (FT)	360° (LB)	(REF) LOAD RADIUS (FT)	360° (LB)
75	41'	5000*	55'	3300*	62'	2600*
73	47'	4700*	59'	3200*	68'	2600*
71	52'	4100	64'	3100*	73'	2500*
68	60'	3000	70'	2400	79'	2000
65	66'	2400	76'	1800	84'	1500
62	71'	1700				



Add 100Lbs to the chart values if the AUX BOOM HEAD SHEAVE is NOT ERECTED.

SET–UP:

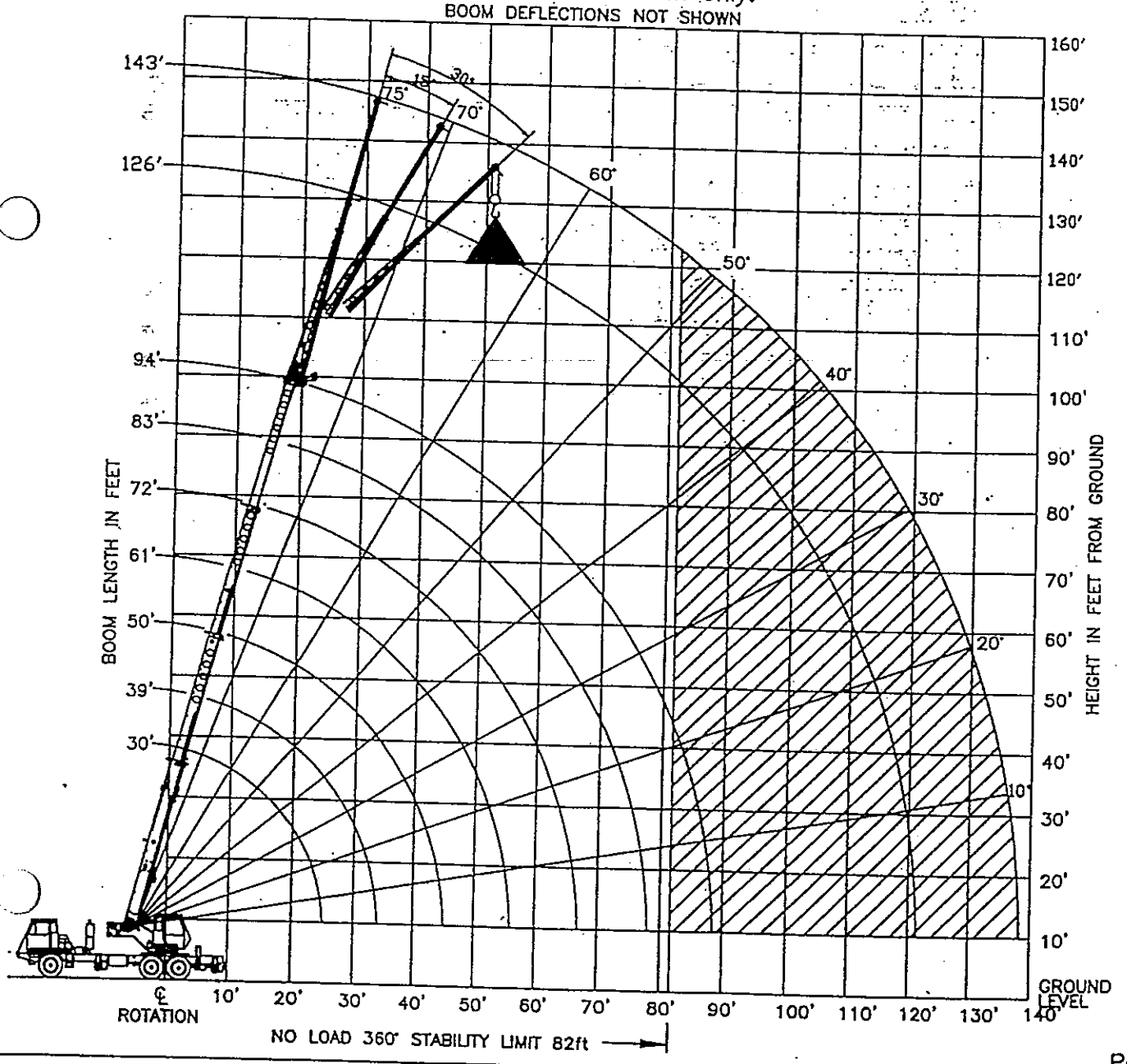
1. Crane load ratings are based on the crane being leveled and standing on a firm, uniform supporting surface.

2. Crane load ratings on outriggers are based on all outrigger beams being fully extended and the tires raised free of the supporting surface.

Courtesy of Crane.Market

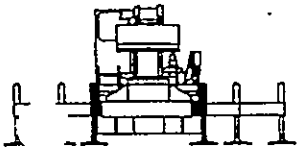
OPERATION:

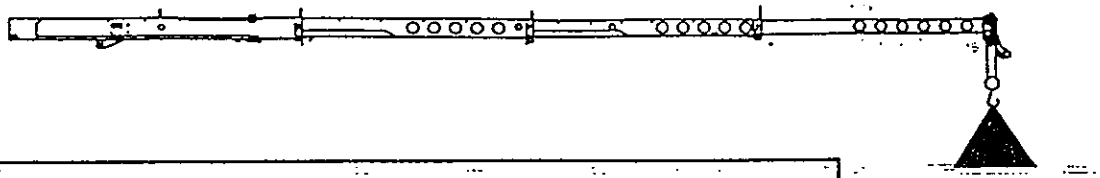
1. CRANE LOAD RATINGS MUST NOT BE EXCEEDED. DO NOT ATTEMPT TO TIP THE CRANE TO DETERMINE ALLOWABLE LOADS.
2. When either radius or boom angle, or both, are between listed values, the smaller of the two listed load ratings shall be used.
3. Do not operate at longer radii than those listed on the applicable load rating chart (cross hatched areas shown on range diagrams) as tipping can occur without a load on the hook.
4. The boom angles shown on the Capacity Chart give an approximation of the operating radius for a fully extended boom. The boom angle, before loading, should be greater to account for boom deflection. It may be necessary to retract the boom if maximum boom angle is insufficient to maintain rated radius.
5. Power telescoping boom sections must be extended equally.
6. For all boom lengths less than the maximum with the jib erected, the rated loads are determined by boom angle only in the appropriate column.
7. For boom angles not shown, use the capacity of the next lower angle.
8. Listed radii are for fully extended boom only.



Courtesy of Crane.Market

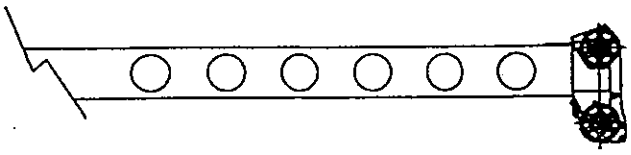
SE THIS CHART WHEN ALL OUTRIGGER BEAMS ARE NOT IN EITHER THE MID OR FULLY EXTENDED POSITIONS





RATED LOAD ON OUTRIGGERS

LOAD RADIUS (FT)	LOADED BOOM ANGLE (DEG)	360° (LB)
BOOM LENGTH 30 FT		
9.0	65.1	35200
10.0	63.0	28600
12.0	58.5	20400
15.0	51.4	13500
20.0	37.4	7400
25.0	13.7	4000
25.6	.0	3500
BOOM LENGTH 39 FT		
10.0	69.4	29300
12.0	66.2	21000
15.0	61.2	14100
20.0	52.3	8100
25.0	42.0	4900
30.0	28.8	2800
BOOM LENGTH 50 FT		
12.0	71.7	21500
15.0	68.0	14500
20.0	61.6	8500
25.0	54.8	5400
30.0	47.3	3400
35.0	38.7	2000
BOOM LENGTH 61 FT		
15.0	72.1	14700
20.0	67.1	8800
25.0	61.9	5600
30.0	56.3	3600
35.0	50.4	2300
BOOM LENGTH 72 FT		
20.0	70.8	8900
25.0	66.5	5800
30.0	62.0	3800
35.0	57.4	2500
BOOM LENGTH 83 FT		
25.0	69.8	5900
30.0	66.0	3900
35.0	62.2	2600
BOOM LENGTH 94 FT		
25.0	72.2	6000
30.0	69.0	4000
35.0	65.7	2600



Add 100Lbs to the chart values if the AUX BOOM HEAD SHEAVE is NOT ERECTED.

Courtesy of Crane.Market

SET–UP:

1. Crane load ratings are based on the crane being leveled and standing on a firm, uniform supporting surface.

2. Crane load ratings on outriggers are based on all outrigger beams being fully extended and the tires raised free of the supporting surface.

OPERATION:

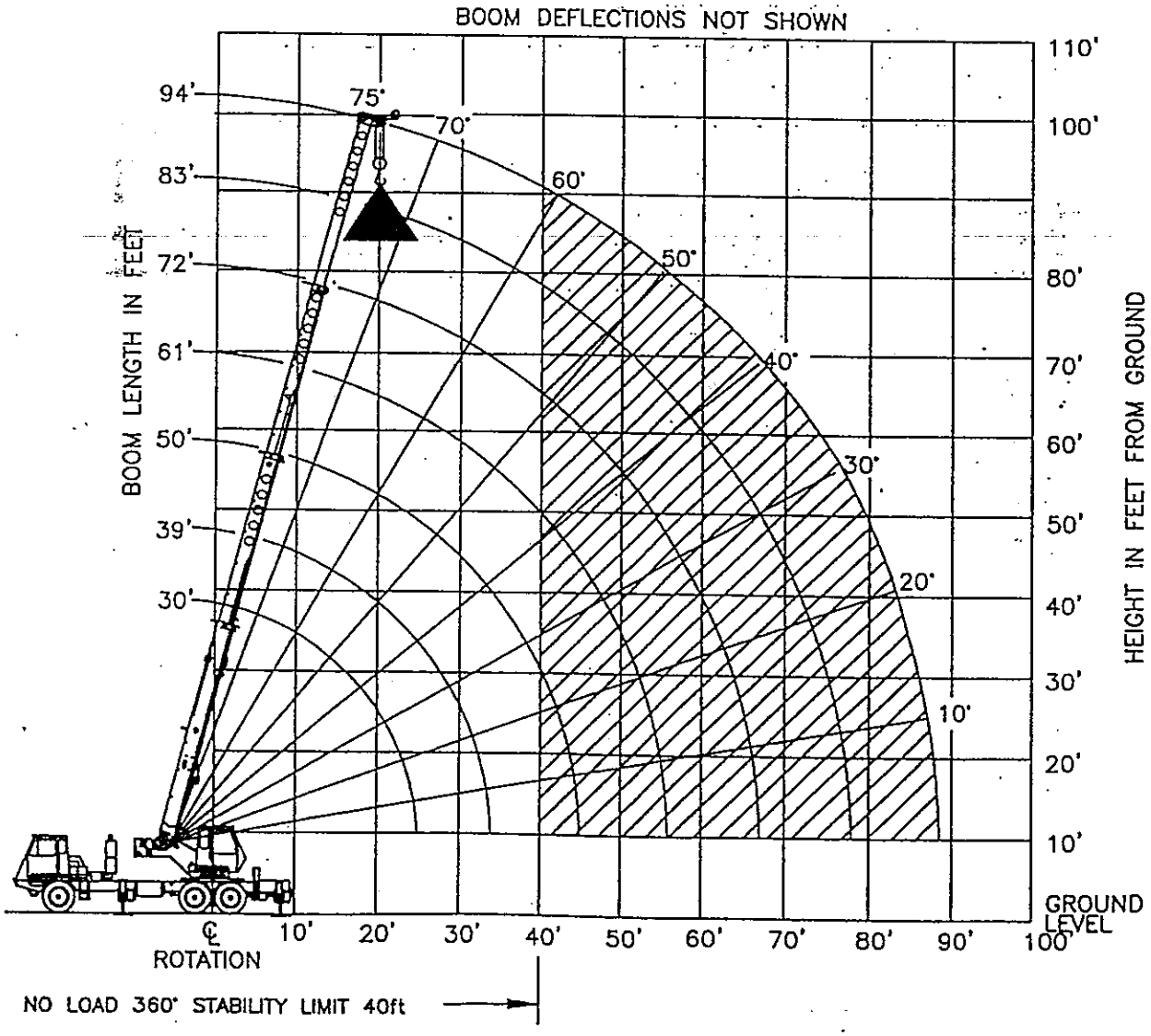
1. CRANE LOAD RATINGS MUST NOT BE EXCEEDED. DO NOT ATTEMPT TO TIP THE CRANE TO DETERMINE ALLOWABLE LOADS.

2. When either radius or boom length, or both, are between listed values, the smaller of the two listed load ratings shall be used.

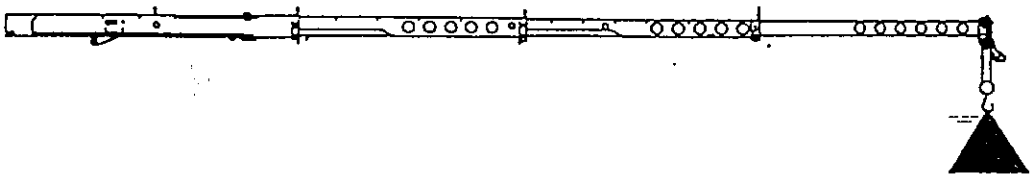
3. Do not operate at longer radii than those listed on the applicable load rating chart (cross hatched areas shown on range diagrams) as tipping can occur without a load on the hook.

4. The boom angles shown on the Capacity Chart give an approximation of the operating radius for a specified boom length. The boom angle, before loading, should be greater to account for boom deflection. It may be necessary to retract the boom if maximum boom angle is insufficient to maintain rated radius.

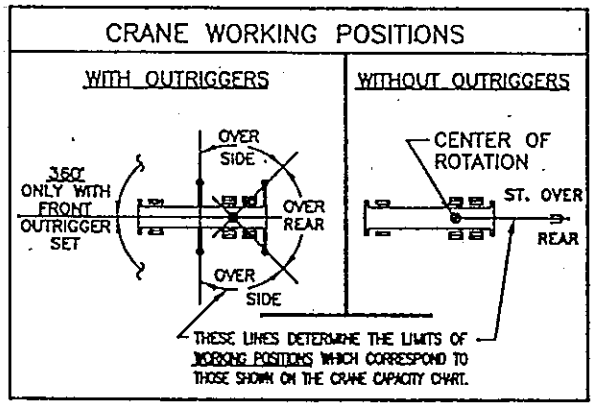
5. Power telescoping boom sections must be extended equally.

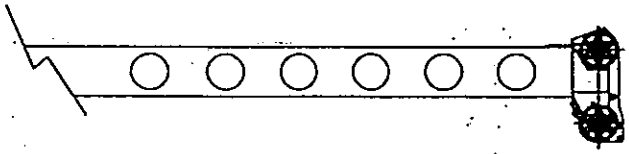


Courtesy of Crane.Market



ON TIRES		
RADIUS (FT)	MAX BOOM LENGTH (FT)	BOOM STRAIGHT OVER REAR 0 TO 2 1/2 MPH
10	30	19,100
12	30	15,700
15	39	12,000
20	39	7,500
25	50	5,000
30	50	3,500
35	50	2,500
40	50	1,600





Add 100Lbs to the chart values if the AUX BOOM HEAD SHEAVE is NOT ERECTED.

SET–UP:

1. Crane load ratings are based on the crane being leveled and standing on a firm, uniform supporting surface.

2. Crane load ratings on tires depend on appropriate inflation pressure and tire condition. Caution must be excercised when increasing air pressures in tires. Consult Operator's Manual for precautions.

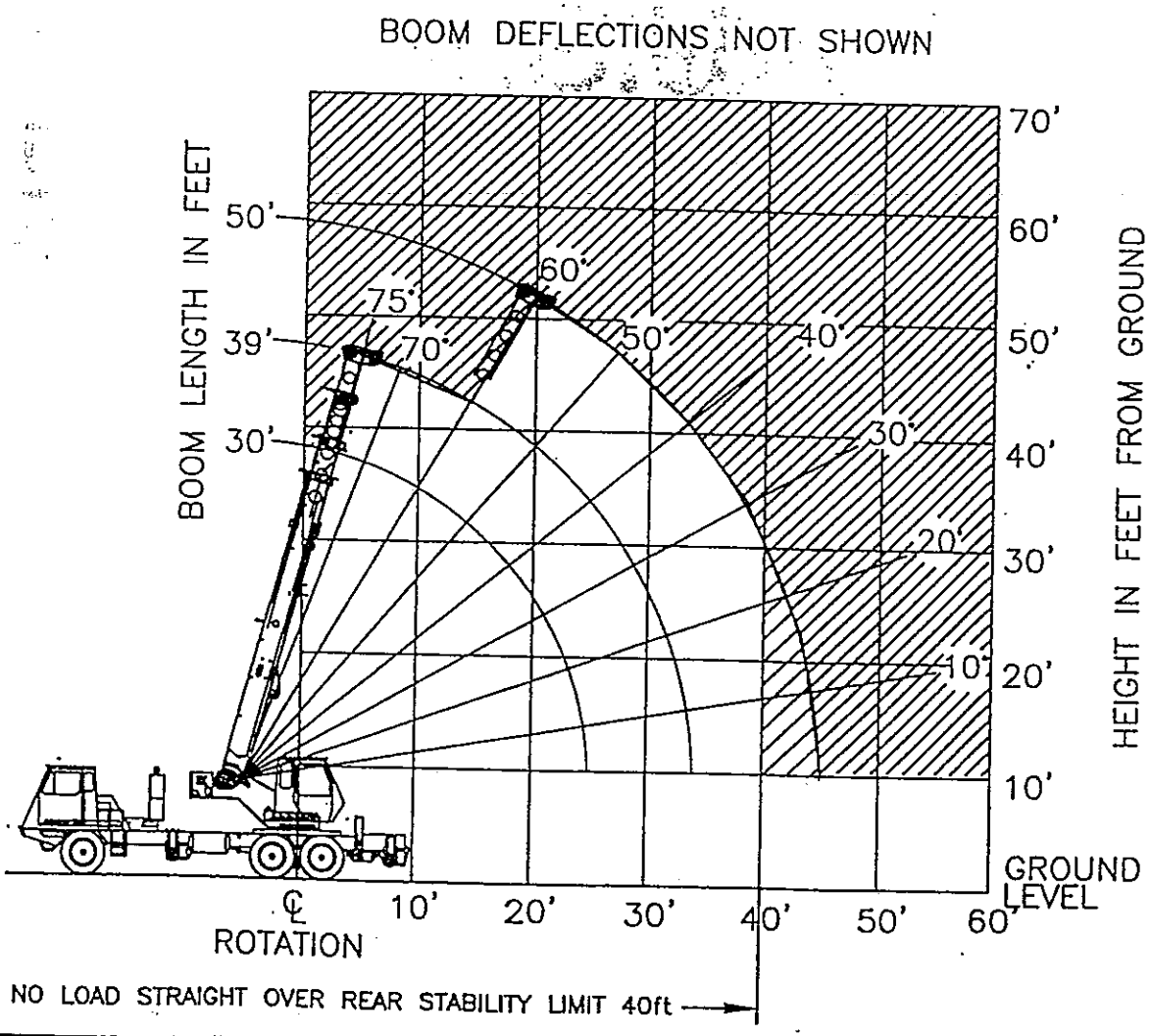
3. Use of jibs, lattice–type boom extensions, or fourth section pullout extended is not permitted for pick and carry operations.

Courtesy of Crane Market

4. For pick and carry operations, boom must be centered over the rear of the crane with swing brake and lock engaged. Use minimum boom point height and keep load close to ground surface. Travel must be on smooth level surface.
5. The load should be restrained from swinging. No on tire operation with jib erected.

OPERATION:

1. CRANE LOAD RATINGS MUST NOT BE EXCEEDED. DO NOT ATTEMPT TO TIP THE CRANE TO DETERMINE ALLOWABLE LOADS.
2. When radius is between listed values the smaller of the two listed load ratings shall be used.
3. Do not operate at longer radii than those listed on the applicable load rating chart (cross hatched areas shown on range diagrams) as tipping can occur without a load on the hook.
4. Power telescoping boom sections must be extended equally.
5. Without outriggers, never maneuver the boom beyond listed load radii for applicable tires used to ensure stability.
6. Creep speed is crane movement of less than 200 ft. (61m) in 30 minute period and not exceeding 1.0 mph (1.6km/h).



Courtesy of Crane.Market

Built in Waverly, Iowa U.S.A.

TEREX CRANES
Waverly, Iowa 50677

Courtesy of Crane.Market