TEREX CRANES

TEREX
MODEL NO.
RT 780
HYDRAULIC CRANE
72.55 METRIC TON

P.C.S.A. CLASS 10 – 316

LOAD RATINGS

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

This book must contain 30 pages.

DO NOT REMOVE THIS BOOK FROM THE CRANE

Part No. T103522
Supercedes chart 12262–1295

Table of Contents

Part 1 - Misc. Information	Page
Hoist Tackle Chart, Tire Inflation Chart, Weights	1
Crane Dimensional Diagram	2
General Warnings and Definitions	3
Setup and Operational Warnings	4,5,6
Part 2 - Lifts With Outrigger Beams Fully Extended	
Main Boom Lift Capacities	8,9
Main Boom Lift Capacities W/ Erected and Unused 10.1 m Jib	10,11
Main Boom Lift Capacities W/ Erected and Unused 17.57 m Jib	12,13
9.75m Length Jib Capacities	14,15
10.1m Length Jib Capacities	16,17
17.57m Length Jib Capacities	18,19
Part 3 - Lifts With Outrigger Beams Extended to Mid-Position & Pinned	
Main Boom Lift Capacities	20,21
9.75m Length Jib Capacities	22,23
10.1m Length Jib Capacities	24,25
17.57m Length Jib Capacities	26,27
Part 4 - Lifts With Outrigger Beams Less Than 1/2 Extended	
Main Boom Lift Capacities	28,29
Part 5 - Lifts On Tires	
Main Boom Lift Capacities	30,31
Part 6 - Hand Signals for Crane Operation	
ANSI B30.5 Standard Hand Signals for Crane Operation	32

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	11	12
MAIN & AUX. HOIST	6260	12520	18780	25040	31300	37560	43820	50080	56340	62600	68860	72550

WIRE ROPE: 19.05mm ROTATION RESISTANT 34 X 7 COMPACTED STRAND, GRADE 2160, MINIMUM BREAKING STRENGTH 31.3 METRIC TONS. WEIGHT 1.845 kg/m. 19.05 6 X 19 OR 6 X 37 IPS IWRC, PREFORMED RIGHT REGULAR LAY MINIMUM BREAKING STRENGTH 23.22 METRIC TONS. WEIGHT 1.548 kg/m

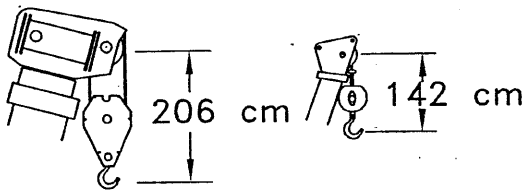
TIRE INFLATION CHART

RECOMMENDED TIRE PRESSURE				
TIRE SIZE	STATIONARY	CREEP	4.0 km/hr	TRAVEL
29:50 X 25-28 PR	558.5 kPa	558.5 kPa	448.2 kPa	379.2 kPa

HOOK BLOCK WEIGHTS

HOOK BLOCK WEIGHTS	
HOOK & BALL	190.1 kg
HOOK BLOCK (5 SHEAVE)	729.4 kg

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



MACHINE EQUIPMENT

1. COUNTERWEIGHT :
   6,196 kg Counterweight and 699 kg slab
   or
   6196 kg Counterweight and auxiliary winch with wire rope
2. OUTRIGGER SPREAD 11.34 m from center of outrigger float to center of outrigger float across the longitudinal axis of the machine.
3. Powered boom length 12.1m retracted to 38.3 m extended.
4. Crane height 6.174 m, length 22.96 m, width 5.342 m., Wheelbase 6.207 m.

CLAMSHELL, MAGNET, AND CONCRETE BUCKET SERVICE

1. Maximum boom length for clamshell and magnet service is 15.24 m.
2. Weight of clamshell or magnet, plus contents are not to exceed 2,722 kg 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 54,430 kg.

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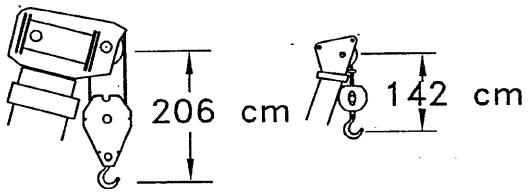

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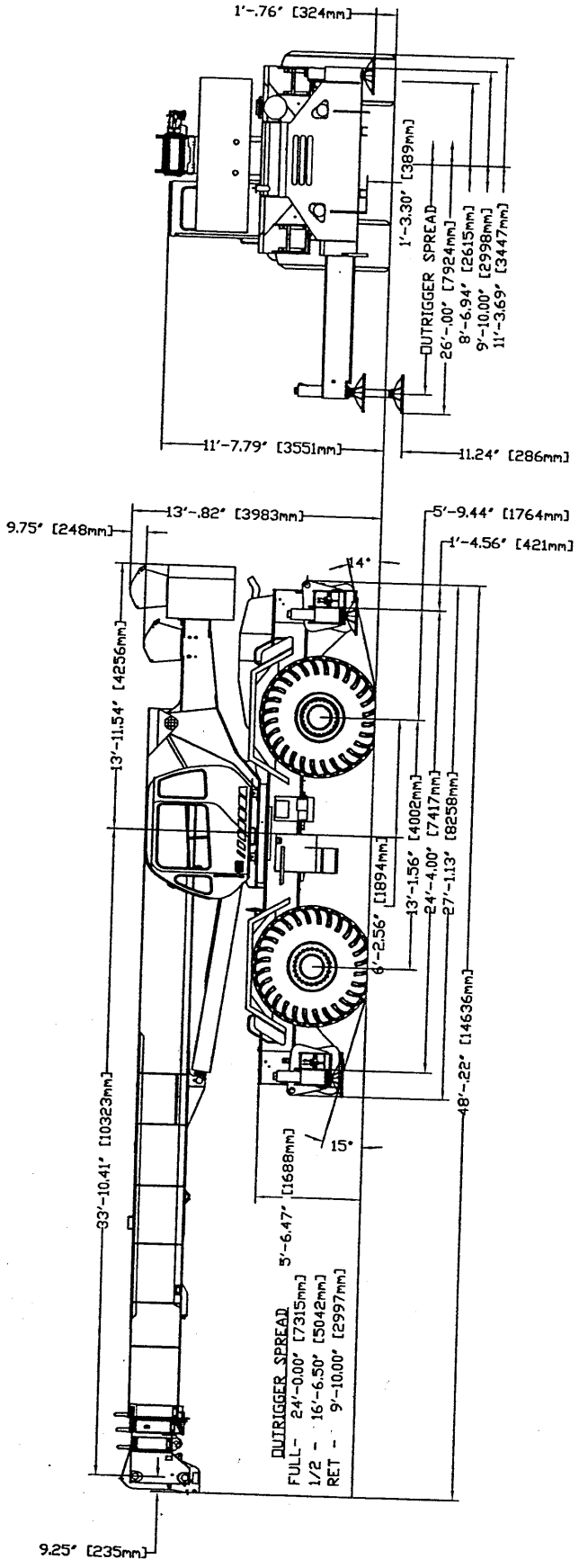
BASIC DIMENSIONS



⚠ 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 read the OPERATORS MANUAL, AEM 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

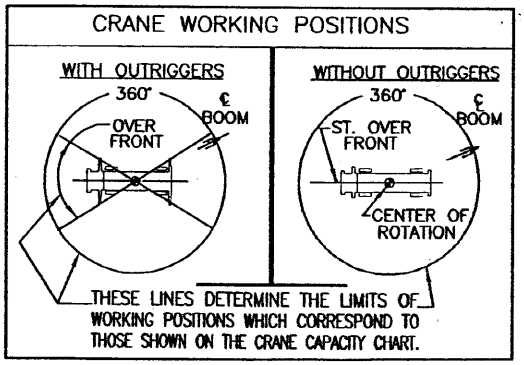
1. LOAD RADIUS – The horizontal distance from the axis of rotation before loading to the center of the vertical hoist line or tackle with a load applied.

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. EXTRA-CAUTION ZONE-Tipping can occur with some boom/jib combinations at radii within this area without any load on the hook.

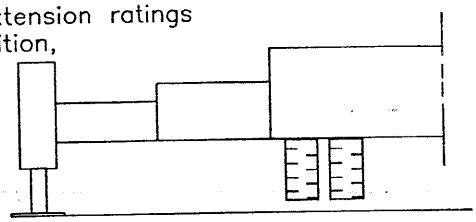
7. BOOM SIDE OF CRANE – The side of the crane over which the boom is positioned when in an OVER SIDE working position.

⚠ WARNING

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, or in the case of partial extension ratings mechanically pinned in the appropriate position, and the tires 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.

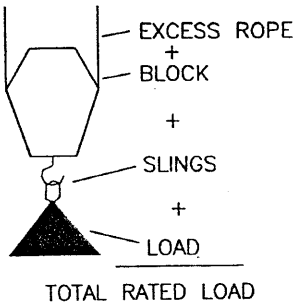
3. Do not operate at longer radii than those listed on the applicable load rating chart as tipping can occur without a load on the hook.

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.

⚠ 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.

Rated lifting capacities are based on correct reeving. Deduction must be made for excessive reeving. Any reeving over the minimum required, (see Hoist Tackle Chart), is considered excessive and must be accounted for. Use Working Range Diagram to estimate the extra feet(meters) of wire rope. Deduct for each foot of excessive wire rope before attempting to lift a load.

When jibs are erected but unused add three(3) 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 8.94 m/s. The center of the lifted load must never be allowed to move more then .91 m* off the center line of the base boom section due to the effects of wind, inertia, or any combination of the two.
*"Use 0.61 m off the center line of the base boom for a two section boom, 0.91 m for a three section boom, or 1.22 m 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.

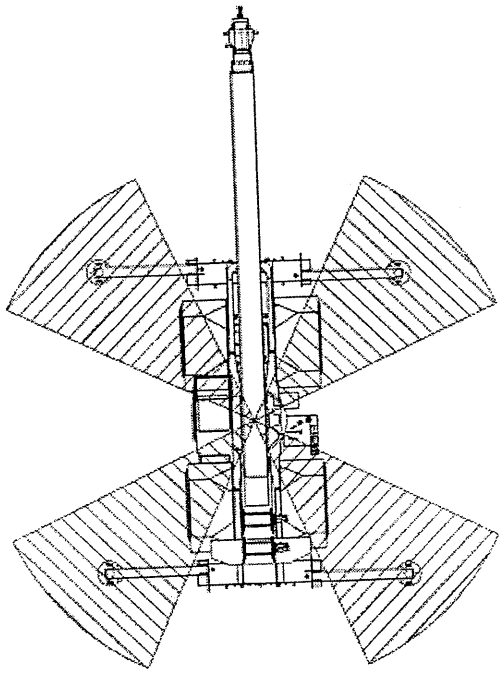
12. It is recommended that load handling devices, including hooks, and hook blocks, be kept away from boom head at all times.

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

14. FOR TRUCK CRANES ONLY: 360° capcities 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.

⚠ WARNING

15. When operating the crane close to the cranes maximum capacity in the shaded zones indicated on the picture to the right, the outrigger pads on the opposite corner may lift up off of the ground. This behavior is normal and does not indicate a stability limit. Be knowledgeable of the load being lifted relative to the load chart and use the RCL as a guide to stay within prescribed load chart limitations.



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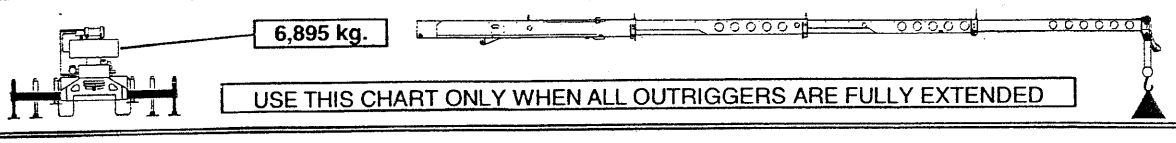


USE THIS CHART ONLY WHEN ALL OUTRIGGERS ARE FULLY EXTENDED

RATED LOAD ON OUTRIGGERS

BOOM LENGTH 12.1 m

LOAD RADIUS (m)	BOOM ANGLE (DEG) REF.	OVER FRONT (kg)	360° (kg)
3.0	69.6	72550 *	72550 *
3.5	67.0	58500 *	58500
4.0	64.3	53850 *	53850
4.5	61.6	49900 *	49900
5.0	58.8	46450 *	46450
6.0	52.8	39100 *	39100
7.0	46.3	32850 *	32850
8.0	38.9	28100 *	28100
9.0	29.9	24400 *	23050
10.0	16.2	20100	18650
10.3	0	12900 *	12900 *

BOOM LENGTH 16.3 m

LOAD RADIUS (m)	BOOM ANGLE (DEG) REF.	OVER FRONT (kg)	360° (kg)
3.0	75.2	46450 *	46450 *
3.5	73.3	46450 *	46450 *
4.0	71.4	46150 *	46150 *
4.5	69.6	45650 *	45650 *
5.0	67.7	44100 *	44100 *
6.0	63.7	39100 *	39100 *
7.0	59.7	33300 *	33300 *
8.0	55.4	28550 *	28550 *
9.0	50.9	24900 *	23650
10.0	46.1	20750	19300
12.0	34.8	14700	13700
14.0	17.6	10950	10200
14.6	0.0	8600 *	8600 *

BOOM LENGTH 20.0 m

LOAD RADIUS (m)	BOOM ANGLE (DEG) REF.	OVER FRONT (kg)	360° (kg)
4.5	73.5	36900 *	36900 *
5.0	71.9	35450 *	35450 *
6.0	68.9	32850 *	32850 *
7.0	65.7	30700 *	30700 *
8.0	62.5	28750 *	28750 *
9.0	59.2	25100 *	23850
10.0	55.7	20950	19500
12.0	48.2	14950	13950
14.0	39.7	11300	10500
16.0	29.1	8750	8150
18.0	10.8	6900	6450
18.2	0	6400 *	6250

BOOM LENGTH 23.6 m

6.0	72.3	28550 *	28550 *
7.0	69.7	26450 *	26450 *
8.0	67.1	24600 *	24600 *
9.0	64.4	22800 *	22800 *
10.0	61.6	21050 *	19650
12.0	55.9	15100	14100
14.0	49.7	11400	10650
16.0	42.8	8950	8350
18.0	34.8	7150	6650
20.0	24.6	5750	5350
21.9	0.0	4700	4350

BOOM LENGTH 27.3 m

6.0	74.7	25500 *	25500 *
7.0	72.5	23300 *	23300 *
8.0	70.3	21050 *	21050 *
9.0	68.0	19200 *	19200 *
10.0	65.7	17600 *	17600 *
12.0	61.0	15100 *	14150
14.0	56.0	11500	10750
16.0	50.7	9000	8450
18.0	44.9	7250	6750
20.0	38.4	5900	5500
22.0	30.8	4800	4450
24.0	20.7	3950	3650
25.6	0.0	3350	3050

BOOM LENGTH 30.9 m

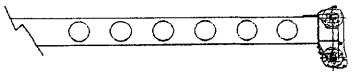
8.0	72.7	18350 *	18350 *
9.0	70.8	16750 *	16750 *
10.0	68.8	15400 *	15400 *
12.0	64.7	13150 *	13150 *
14.0	60.5	11450 *	10800
16.0	56.1	9100	8500
18.0	51.5	7300	6800
20.0	46.5	5950	5550
22.0	41.0	4900	4550
24.0	34.8	4050	3750
26.0	27.4	3350	3050
28.0	17.2	2750	2450
29.2	0.0	2400	2150

BOOM LENGTH 34.6 m

9.0	72.9	14250 *	14250 *
10.0	71.1	13750 *	13750 *
12.0	67.6	12100 *	12100 *
14.0	63.9	10500 *	10500 *
16.0	60.1	9100	8550
18.0	56.2	7350	6850
20.0	52.0	6000	5600
22.0	47.7	4950	4600
24.0	42.9	4100	3800
26.0	37.7	3400	3100
28.0	31.7	2800	2550
30.0	24.5	2300	2050
32.0	13.9	1850	1600
32.9	0.0	1700	1450

BOOM LENGTH 38.3 m

10.0	73.0	11200 *	11200 *
12.0	69.8	11150 *	11150 *
14.0	66.6	9850 *	9850 *
16.0	63.2	8650 *	8550
18.0	59.8	7400	6900
20.0	56.3	6050	5650
22.0	52.5	5000	4650
24.0	48.6	4150	3850
26.0	44.4	3450	3150
28.0	39.9	2850	2600
30.0	34.8	2350	2100
32.0	29.0	1950	1700
34.0	21.8	1550	1300
36.0	10.5	1200	1000
36.5	0.0	1150	900



Add 45 kg to the chart values if the AUXILLIARY BOOM HEAD SHEAVE is NOT ERECTED

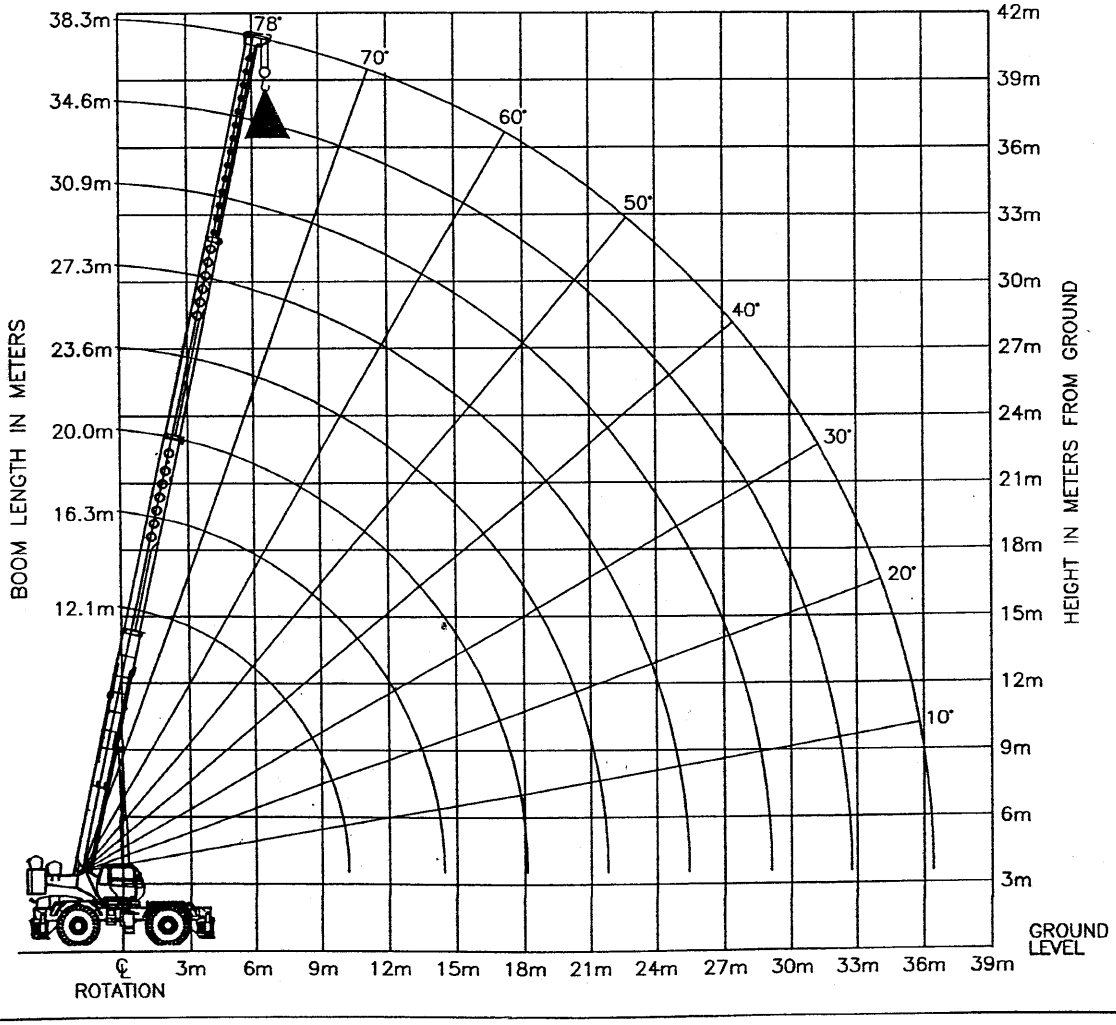
SET–UP:

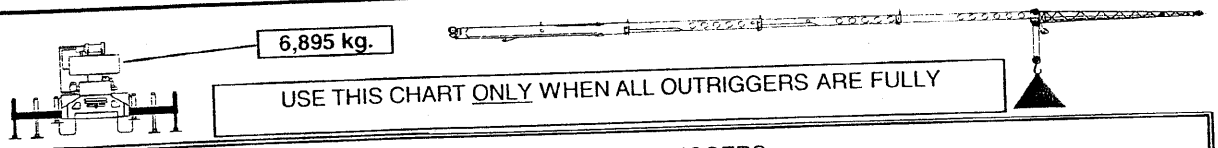
1. Crane load ratings are based on the crane being leveled and standing on a firm and uniform surface.
2. Crane load ratings on outriggers are based on all outrigger beams being positioned according to the applicable load chart and the tires raised free of the supporting surface.

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. EXTRA–CAUTION ZONE – Tipping can occur with some boom/jib combinations at radii within this area without any 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. 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. Rated lifting capacities are based on correct reeving. Deductions must be made for excessive reeving. Any reeving over the minimum is considered excessive. Deduct for each foot of excessive wire rope before attempting to lift a load. See the Hoist Tackle Chart for rope information.
6. Power telescoping boom sections must be extended equally.

BOOM DEFLECTIONS NOT SHOWN

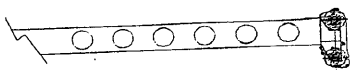




USE THIS CHART ONLY WHEN ALL OUTRIGGERS ARE FULLY

RATED LOAD ON OUTRIGGERS

LOAD RADIUS (m)	BOOM ANGLE (DEG) REF.	OVER FRONT (kg)	360° (kg)
BOOM LENGTH 12.1 m			
3.0	69.6	63500 *	63500
3.5	67.0	57900 *	57900
4.0	64.3	53250 *	53250
4.5	61.6	49250 *	49250
5.0	58.8	45800 *	45800
6.0	52.8	38250 *	38250
7.0	46.3	31950 *	31950
8.0	38.9	27250 *	27250
9.0	29.9	23550 *	21800
10.0	16.2	18900	17500
10.3	0	12200 *	12200 *
BOOM LENGTH 16.3 m			
3.0	75.2	46450 *	46450 *
3.5	73.3	46450 *	46450 *
4.0	71.4	46150 *	46150 *
4.5	69.6	45650 *	45650 *
5.0	67.7	43800 *	43800 *
6.0	63.7	38450 *	38450 *
7.0	59.7	32400 *	32400 *
8.0	55.4	27650 *	27650 *
9.0	50.9	24000 *	22450
10.0	46.1	19600	18150
12.0	34.8	13600	12600
14.0	17.6	9950	9200
14.6	0.0	7850 *	7850 *
BOOM LENGTH 20.0 m			
4.5	73.5	36900 *	36900 *
5.0	71.9	35450 *	35450 *
6.0	68.9	32850 *	32850 *
7.0	65.7	30700 *	30700 *
8.0	62.5	27900 *	27900 *
9.0	59.2	24200 *	22750
10.0	55.7	19900	18450
12.0	48.2	13900	12900
14.0	39.7	10250	9500
16.0	29.1	7750	7150
18.0	10.8	5950	5500
18.2	0	5600 *	5300
BOOM LENGTH 23.6 m			
6.0	72.3	28550 *	28550 *
7.0	69.7	26450 *	26450 *
8.0	67.1	24600 *	24600 *
9.0	64.4	22800 *	22800 *
10.0	61.6	20100	18650
12.0	55.9	14050	13050
14.0	49.7	10400	9650
16.0	42.8	7950	7350
18.0	34.8	6150	5650
20.0	24.6	4800	4400
21.9	0.0	3750	3400
BOOM LENGTH 27.3 m			
6.0	74.7	25500 *	25500 *
7.0	72.5	23300 *	23300 *
8.0	70.3	21050 *	21050 *
9.0	68.0	19200 *	19200 *
10.0	65.7	17600 *	17600 *
12.0	61.0	14200	13200
14.0	56.0	10550	9800
16.0	50.7	8050	7450
18.0	44.9	6250	5800
20.0	38.4	4950	4550
22.0	30.8	3850	3550
24.0	20.7	3000	2700
25.6	0.0	2450	2150
BOOM LENGTH 30.9 m			
8.0	72.7	18350 *	18350 *
9.0	70.8	16750 *	16750 *
10.0	68.8	15400 *	15400 *
12.0	64.7	13150 *	13150 *
14.0	60.5	10600	9850
16.0	56.1	8150	7550
18.0	51.5	6350	5900
20.0	46.5	5000	4600
22.0	41.0	3950	3600
24.0	34.8	3100	2800
26.0	27.4	2400	2150
28.0	17.2	1850	1550
29.2	0.0	1500	1250
BOOM LENGTH 34.6 m			
9.0	72.9	14250 *	14250 *
10.0	71.1	13750 *	13750 *
12.0	67.6	12100 *	12100 *
14.0	63.9	10500 *	9950
16.0	60.1	8200	7600
18.0	56.2	6400	5950
20.0	52.0	5100	4700
22.0	47.7	4050	3700
24.0	42.9	3200	2850
26.0	37.7	2500	2200
28.0	31.7	1900	1650
30.0	24.5	1400	1150
32.0	13.9	1000	750
32.9	0.0	800	550
BOOM LENGTH 38.3 m			
10.0	73.0	11200 *	11200 *
12.0	69.8	11150 *	11150 *
14.0	66.6	9850 *	9850 *
16.0	63.2	8250	7650
18.0	59.8	6450	6000
20.0	56.3	5150	4750
22.0	52.5	4100	3750
24.0	48.6	3250	2900
26.0	44.4	2550	2250
28.0	39.9	1950	1700
30.0	34.8	1450	1200
32.0	29.0	1050	800
34.0	21.8	650	450
36.0	10.5	350	



Add 45 kg to the chart values if the AUXILLIARY BOOM HEAD SHEAVE is NOT ERECTED

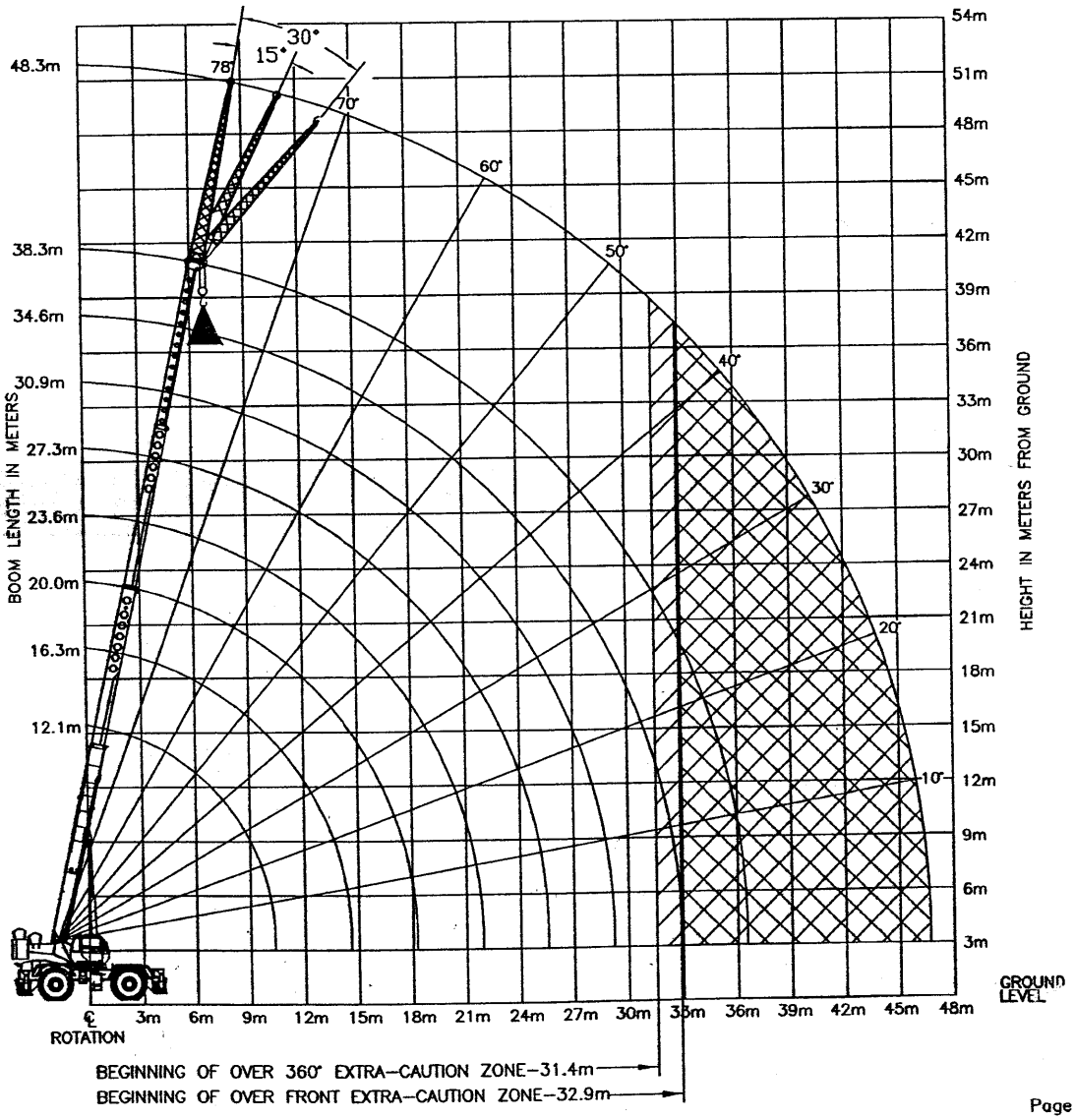
SET–UP:

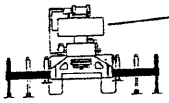
1. Crane load ratings are based on the crane being leveled and standing on a firm and uniform surface.
2. Crane load ratings on outriggers are based on all outrigger beams being positioned according to the applicable load chart and the tires raised free of the supporting surface.

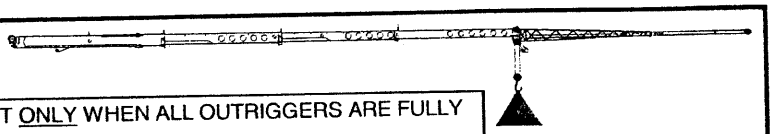
OPERATION:

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. EXTRA–CAUTION ZONE – Tipping can occur with some boom/jib combinations at radii within this area without any 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. 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. Rated lifting capacities are based on correct reeving. Deductions must be made for excessive reeving. Any reeving over the minimum is considered excessive. Deduct for each foot of excessive wire rope before attempting to lift a load. See the Hoist Tackle Chart for rope information.
6. When the jib is erected and unused add three (3) times the weight of any hookblock, slings, and auxiliary lifting devices at the jib head to the load
7. Power telescoping boom sections must be extended equally.

BOOM DEFLECTIONS NOT SHOWN







USE THIS CHART ONLY WHEN ALL OUTRIGGERS ARE FULLY

RATED LOAD ON OUTRIGGERS

LOAD RADIUS (m)	BOOM ANGLE (DEG) REF.	OVER FRONT (kg)	360° (kg)
BOOM LENGTH 12.1 m			
3.0	69.6	63250 *	63250 *
3.5	67.0	57700 *	57700 *
4.0	64.3	53000 *	53000 *
4.5	61.6	49050 *	49050 *
5.0	58.8	45600 *	45600 *
6.0	52.8	37950 *	37950 *
7.0	46.3	31700 *	31700 *
8.0	38.9	26950 *	26950 *
9.0	29.9	23200	21400
10.0	16.2	18550	17150
10.3	0	11950 *	11950

LOAD RADIUS (m)	BOOM ANGLE (DEG) REF.	OVER FRONT (kg)	360° (kg)
BOOM LENGTH 16.3 m			
3.0	75.2	46450 *	46450 *
3.5	73.3	46450 *	46450 *
4.0	71.4	46150 *	46150 *
4.5	69.6	45650 *	45650 *
5.0	67.7	43650 *	43650 *
6.0	63.7	38250 *	38250 *
7.0	59.7	32200 *	32200 *
8.0	55.4	27450 *	27450 *
9.0	50.9	23800 *	22150
10.0	46.1	19300	17900
12.0	34.8	13350	12400
14.0	17.6	9700	9000
14.6	0.0	7650	7650 *

LOAD RADIUS (m)	BOOM ANGLE (DEG) REF.	OVER FRONT (kg)	360° (kg)
BOOM LENGTH 20.0 m			
4.5	73.5	36900 *	36900 *
5.0	71.9	35450 *	35450 *
6.0	68.9	32850 *	32850 *
7.0	65.7	30700 *	30700 *
8.0	62.5	27700 *	27700 *
9.0	59.2	24050 *	22500
10.0	55.7	19650	18200
12.0	48.2	13700	12700
14.0	39.7	10050	9300
16.0	29.1	7600	7000
18.0	10.8	5800	5300
18.2	0	5450 *	5100

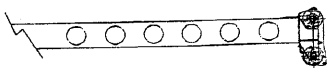
LOAD RADIUS (m)	BOOM ANGLE (DEG) REF.	OVER FRONT (kg)	360° (kg)
BOOM LENGTH 23.6 m			
6.0	72.3	28550 *	28550 *
7.0	69.7	26450 *	26450 *
8.0	67.1	24600 *	24600 *
9.0	64.4	22800 *	22750
10.0	61.6	19900	18450
12.0	55.9	13900	12900
14.0	49.7	10250	9500
16.0	42.8	7800	7200
18.0	34.8	6000	5550
20.0	24.6	4650	4250
21.9	0.0	3650	3300

LOAD RADIUS (m)	BOOM ANGLE (DEG) REF.	OVER FRONT (kg)	360° (kg)
BOOM LENGTH 27.3 m			
6.0	74.7	25500 *	25500 *
7.0	72.5	23300 *	23300 *
8.0	70.3	21050 *	21050 *
9.0	68.0	19200 *	19200 *
10.0	65.7	17600 *	17600 *
12.0	61.0	14050	13050
14.0	56.0	10400	9650
16.0	50.7	7900	7350
18.0	44.9	6150	5650
20.0	38.4	4800	4400
22.0	30.8	3750	3400
24.0	20.7	2900	2600
25.6	0.0	2350	2050

LOAD RADIUS (m)	BOOM ANGLE (DEG) REF.	OVER FRONT (kg)	360° (kg)
BOOM LENGTH 30.9 m			
8.0	72.7	18350 *	18350 *
9.0	70.8	16750 *	16750 *
10.0	68.8	15400 *	15400 *
12.0	64.7	13150 *	13150 *
14.0	60.5	10500	9750
16.0	56.1	8000	7450
18.0	51.5	6250	5750
20.0	46.5	4900	4500
22.0	41.0	3850	3500
24.0	34.8	3000	2750
26.0	27.4	2300	2050
28.0	17.2	1750	1500
29.2	0.0	1400	1200

LOAD RADIUS (m)	BOOM ANGLE (DEG) REF.	OVER FRONT (kg)	360° (kg)
BOOM LENGTH 34.6 m			
9.0	72.9	14250 *	14250 *
10.0	71.1	13750 *	13750 *
12.0	67.6	12100 *	12100 *
14.0	63.9	10500 *	9800
16.0	60.1	8100	7500
18.0	56.2	6300	5850
20.0	52.0	5000	4600
22.0	47.7	3950	3600
24.0	42.9	3100	2800
26.0	37.7	2400	2150
28.0	31.7	1800	1600
30.0	24.5	1350	1150
32.0	13.9	900	750
32.9	0.0	700	550

LOAD RADIUS (m)	BOOM ANGLE (DEG) REF.	OVER FRONT (kg)	360° (kg)
BOOM LENGTH 38.3 m			
10.0	73.0	11200 *	11200 *
12.0	69.8	11150 *	11150 *
14.0	66.6	9850 *	9850 *
16.0	63.2	8150	7550
18.0	59.8	6400	5900
20.0	56.3	5050	4650
22.0	52.5	4000	3650
24.0	48.6	3150	2850
26.0	44.4	2450	2200
28.0	39.9	1900	1650
30.0	34.8	1400	1200
32.0	29.0	950	800
34.0	21.8	600	450



Add 45 kg to the chart values if the AUXILLIARY BOOM HEAD SHEAVE is NOT ERECTED

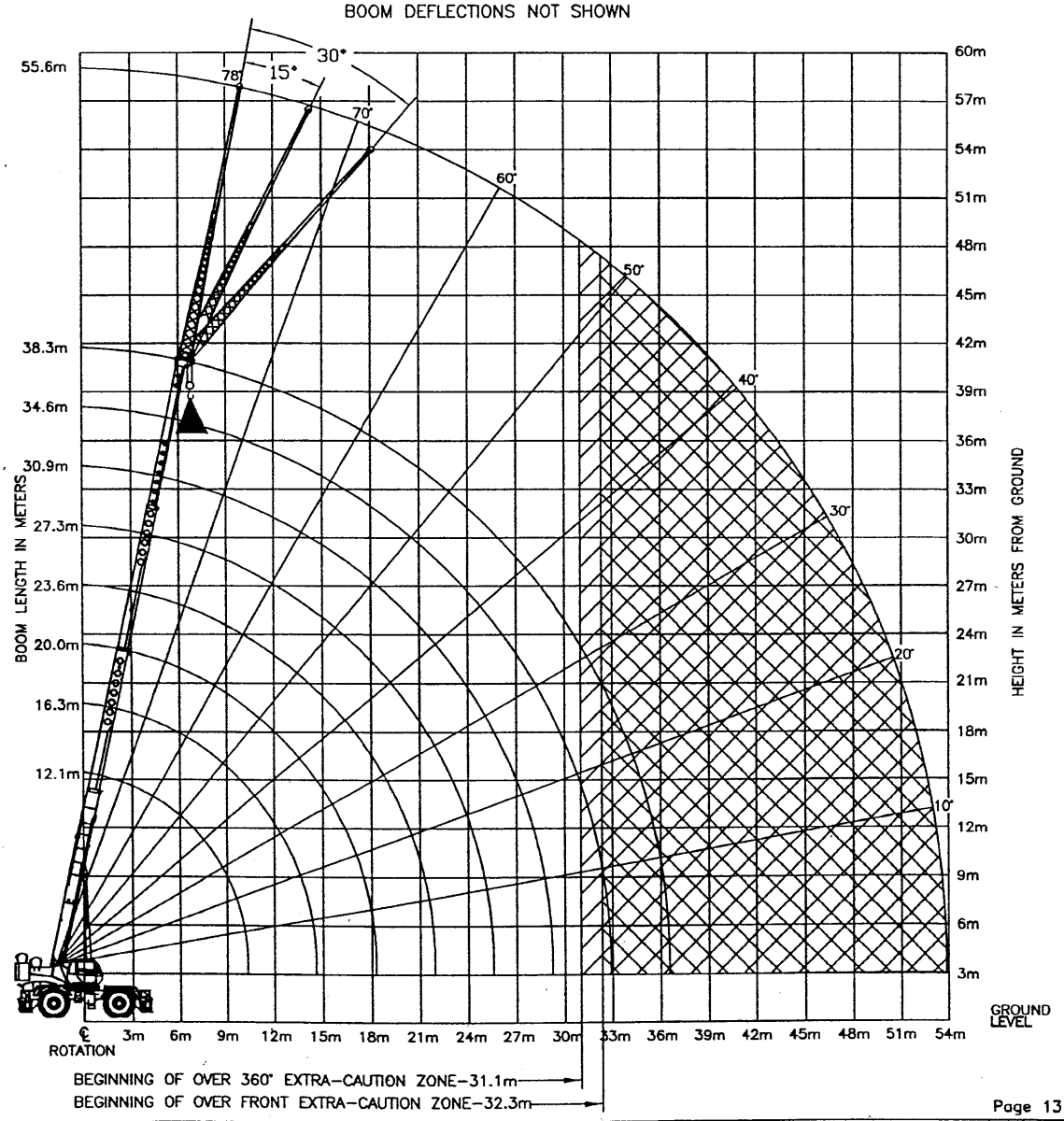
SET–UP:

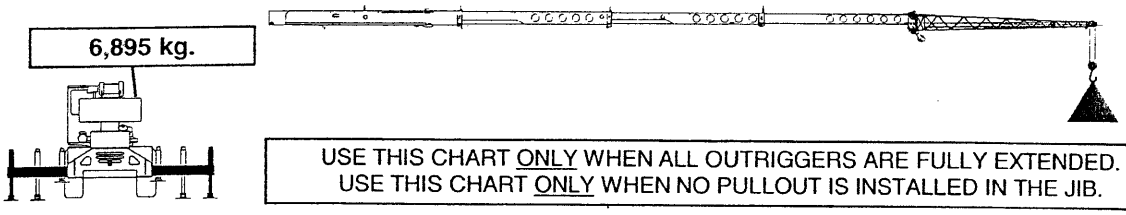
1. Crane load ratings are based on the crane being leveled and standing on a firm and uniform surface.
2. Crane load ratings on outriggers are based on all outrigger beams being positioned according to the applicable load chart and the tires raised free of the supporting surface.

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. EXTRA–CAUTION ZONE – Tipping can occur with some boom/jib combinations at radii within this area without any 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. 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. Rated lifting capacities are based on correct reeving. Deductions must be made for excessive reeving. Any reeving over the minimum is considered excessive. Deduct for each foot of excessive wire rope before attempting to lift a load. See the Hoist Tackle Chart for rope information.
6. When the jib is erected and unused add three (3) times the weight of any hookblock, slings, and auxiliary lifting devices at the jib head to the load
7. Power telescoping boom sections must be extended equally.

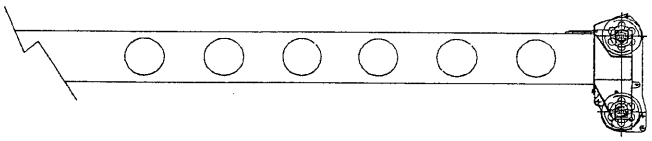
BOOM DEFLECTIONS NOT SHOWN





USE THIS CHART ONLY WHEN ALL OUTRIGGERS ARE FULLY EXTENDED.
USE THIS CHART ONLY WHEN NO PULLOUT IS INSTALLED IN THE JIB.

9.75 m OFFSET JIB									
	0° OFFSET			15° OFFSET			30° OFFSET		
LOADED BOOM ANGLE (DEG)	(REF) LOAD RADIUS (m)	FRONT ONLY (kg)	360° (kg)	(REF) LOAD RADIUS (m)	FRONT ONLY (kg)	360° (kg)	(REF) LOAD RADIUS (m)	FRONT ONLY (kg)	360° (kg)
77	12.5	5650 *	5650 *	15.2	3800 *	3800 *	17.4	2950 *	2950 *
75	14.0	5350 *	5350 *	16.8	3650 *	3650 *	18.6	2850 *	2850 *
73	15.5	5050 *	5050 *	18.3	3500 *	3500 *	20.1	2800 *	2800 *
71	17.4	4650 *	4650 *	20.1	3300 *	3300 *	21.6	2700 *	2700 *
68	19.8	4300 *	4300 *	22.2	3150 *	3150 *	23.8	2600 *	2600 *
65	22.3	4000 *	4000 *	24.4	3000 *	3000 *	25.9	2500 *	2500 *
62	24.4	3700 *	3700 *	26.5	2900 *	2900 *	28.0	2450 *	2450 *
59	26.5	3450 *	3450 *	28.6	2750 *	2750 *	29.9	2350 *	2350 *
55	29.3	3150	3000	31.1	2650 *	2650 *	32.3	2300 *	2300 *
51	31.7	2600	2450	33.5	2450	2250	34.4	2250 *	2250 *
47	34.1	2150	2000	35.3	2050	1900	36.3	1950	1950
43	36.3	1800	1650	37.5	1700	1550	38.1	1600	1600
38	38.4	1500	1350	39.6	1400	1250	39.9	1300	1200
32	40.8	1200	1050	41.7	1100	1000	41.8	1100	850
25	43.0	950	750	43.3	850	750			



ADD 45.4 kg 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 outriggers being fully extended, or in the case of partial extension ratings mechanically pinned in the appropriate position, and the tires free of the supporting surface.

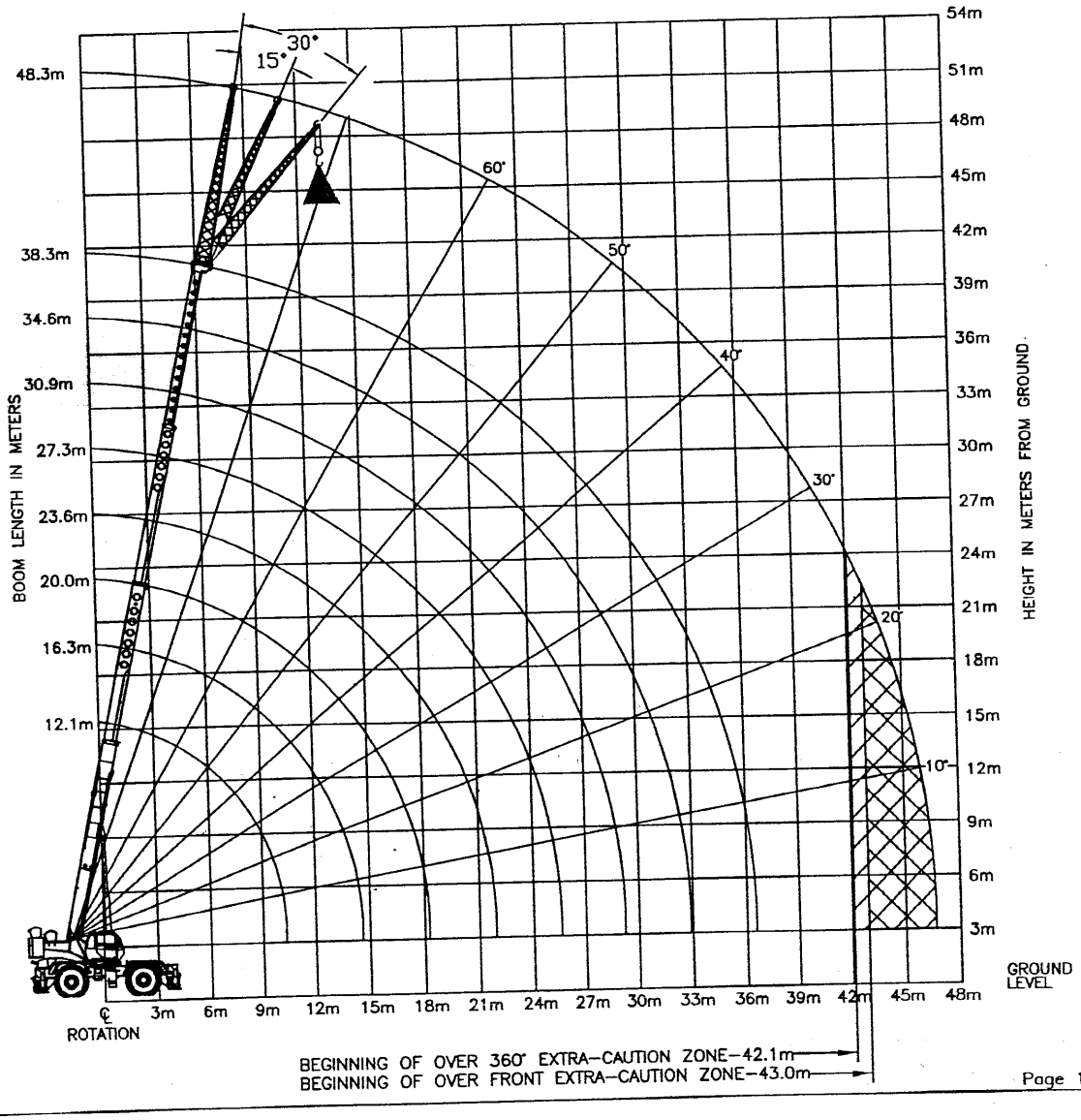
SET–UP:

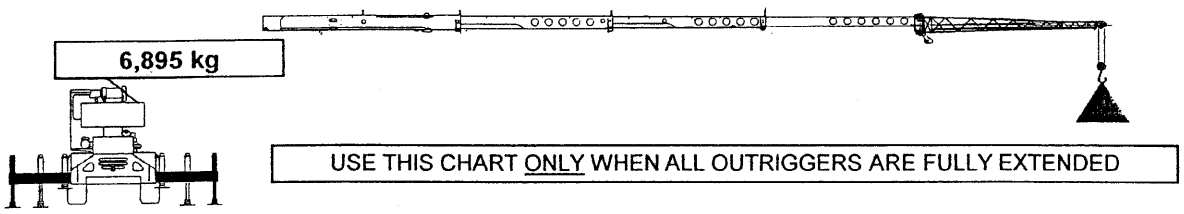
1. Crane load ratings are based on the crane being leveled and standing on a firm and uniform surface.
2. Crane load ratings on outriggers are based on all outrigger beams being positioned according to the applicable load chart and the tires raised free of the supporting surface.

OPERATION:

1. CRANE LOAD RATINGS MUST NOT BE EXCEEDED. DO NOT ATTEMPT TO TIP THE CRANE TO DETERMINE ALLOWABLE LOADS.
2. For boom angles not shown, use the capacity of the next lower angle
3. EXTRA–CAUTION ZONE – Tipping can occur with some boom/jib combinations at radii within this area without any 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. Listed radii are for fully extended boom only.
5. 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. Rated lifting capacities are based on correct reeving. Deductions must be made for excessive reeving. Any reeving over the minimum is considered excessive. Deduct for each foot of excessive wire rope before attempting to lift a load. See the Hoist Tackle Chart for rope information.
6. When lifting over the jib the weight of any hook block, slings, and any auxiliary lifting devices at the boom head must be added to the load.
7. For all boom length less than the listed boom length, the rated load is to be determined by boom angle.
8. Listed radii are for fully extended boom only.

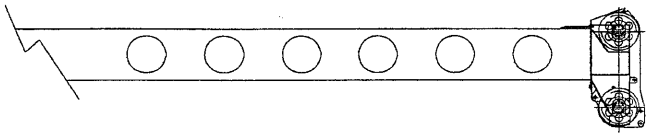
BOOM DEFLECTIONS NOT SHOWN





USE THIS CHART ONLY WHEN ALL OUTRIGGERS ARE FULLY EXTENDED

10.1 m OFFSET JIB									
	0° OFFSET			15° OFFSET			30° OFFSET		
LOADED BOOM ANGLE (DEG)	(REF) LOAD RADIUS (m)	FRONT ONLY (kg)	360° (kg)	(REF) LOAD RADIUS (m)	FRONT ONLY (kg)	360° (kg)	(REF) LOAD RADIUS (m)	FRONT ONLY (kg)	360° (kg)
77	12.5	5650 *	5650 *	15.2	3850 *	3850 *	17.4	2900 *	2900 *
75	14.3	5400 *	5400 *	17.1	3700 *	3700 *	18.9	2850 *	2850 *
73	15.8	5200 *	5200 *	18.6	3550 *	3550 *	20.4	2750 *	2750 *
71	17.7	4900 *	4900 *	20.4	3400 *	3400 *	21.9	2700 *	2700 *
68	20.1	4500 *	4500 *	22.6	3200 *	3200 *	24.1	2650 *	2650 *
65	22.6	4150 *	4150 *	24.7	3050 *	3050 *	26.2	2500 *	2500 *
62	24.7	4050 *	3950	26.8	2900 *	2900 *	28.3	2450 *	2450 *
59	26.8	3450	3300	29.0	2800 *	2800 *	30.2	2400 *	2400 *
55	29.6	2800	2650	31.4	2600	2400	32.6	2350 *	2350 *
51	32.0	2250	2100	33.8	2150	1950	34.7	2000	2000
47	34.4	1850	1650	35.7	1750	1550	36.6	1600	1600
43	36.6	1500	1350	37.8	1400	1250	38.4	1300	1300
38	38.7	1150	1000	39.9	1050	950	40.2	1000	900
32	41.1	850	750	42.1	800	700	42.1	750	500
25	43.6	600		43.9	550				



ADD 45.4 kg 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 outriggers being fully extended, or in the case of partial extension ratings mechanically pinned in the appropriate position, and the tires free of the supporting surface.

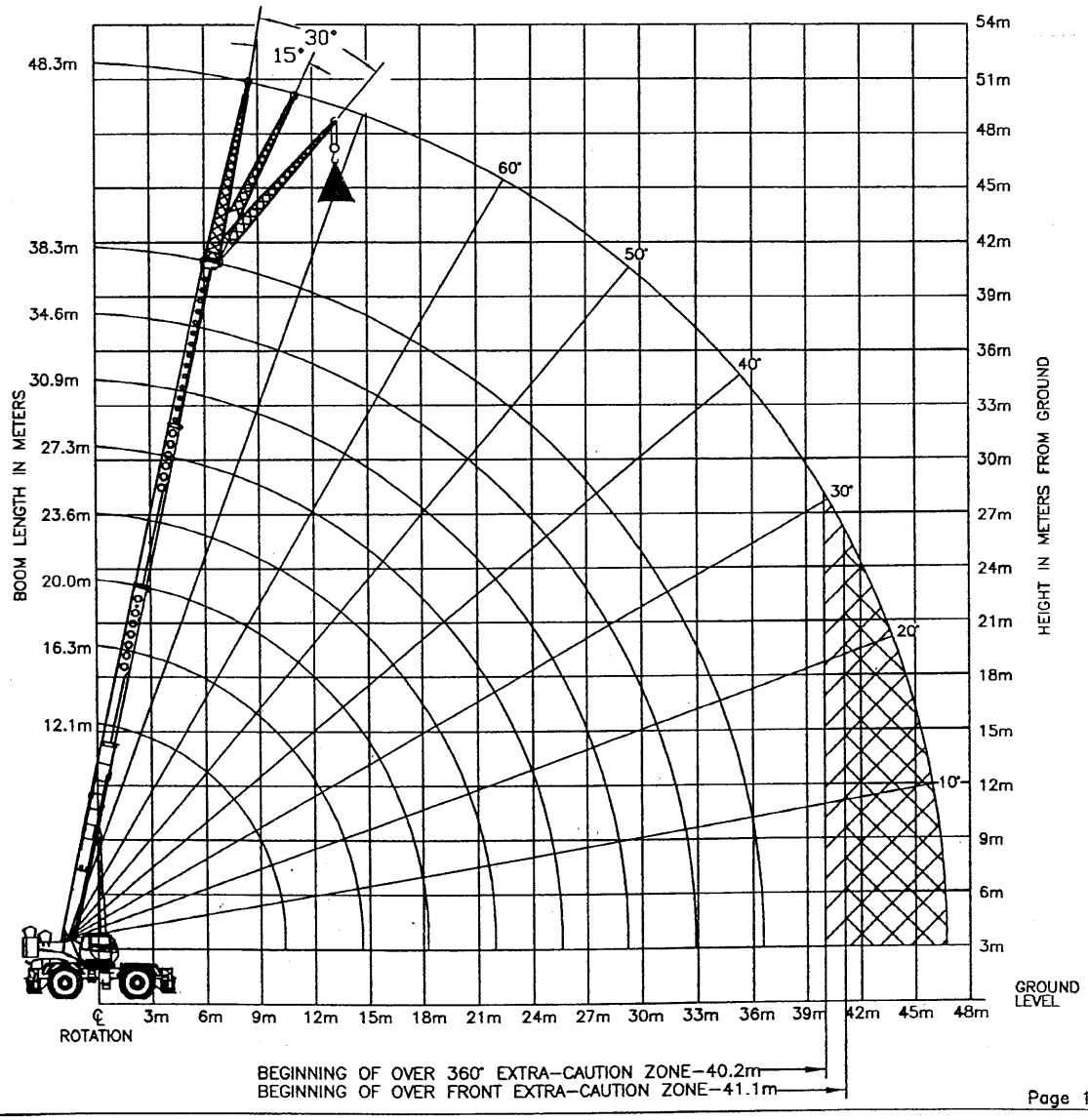
SET–UP:

1. Crane load ratings are based on the crane being leveled and standing on a firm and uniform surface.
2. Crane load ratings on outriggers are based on all outrigger beams being positioned according to the applicable load chart and the tires raised free of the supporting surface.

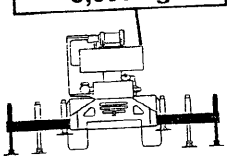
OPERATION:

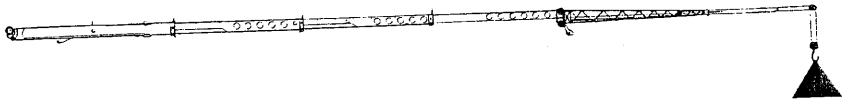
1. CRANE LOAD RATINGS MUST NOT BE EXCEEDED. DO NOT ATTEMPT TO TIP THE CRANE TO DETERMINE ALLOWABLE LOADS.
2. For boom angles not shown, use the capacity of the next lower angle
3. EXTRA–CAUTION ZONE – Tipping can occur with some boom/jib combinations at radii within this area without any load on the 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. Listed radii are for fully extended boom only.
5. 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. Rated lifting capacities are based on correct reeving. Deductions must be made for excessive reeving. Any reeving over the minimum is considered excessive. Deduct for each foot of excessive wire rope before attempting to lift a load. See the Hoist Tackle Chart for rope information.
6. When lifting over the jib the weight of any hook block, slings, and any auxiliary lifting devices at the boom head must be added to the load.
7. For all boom length less than the listed boom length, the rated load is to be determined by boom angle.
8. Listed radii are for fully extended boom only.

BOOM DEFLECTIONS NOT SHOWN



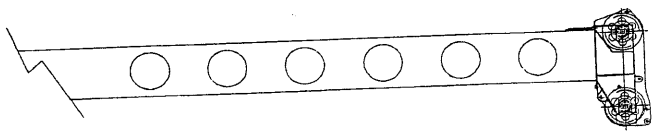
6,895 kg





USE THIS CHART ONLY WHEN ALL OUTRIGGERS ARE FULLY EXTENDED

17.3 m OFFSET JIB									
	0° OFFSET			15° OFFSET			30° OFFSET		
LOADED BOOM ANGLE (DEG)	(REF) LOAD RADIUS (m)	FRONT ONLY (kg)	360° (kg)	(REF) LOAD RADIUS (m)	FRONT ONLY (kg)	360° (kg)	(REF) LOAD RADIUS (m)	FRONT ONLY (kg)	360° (kg)
77.	14.6	2900 *	2900 *	20.1	2050 *	2050 *	22.9	1500 *	1500 *
75	17.1	2900 *	2900 *	21.9	1950 *	1950 *	24.7	1450 *	1450 *
73	19.2	2800 *	2800 *	23.5	1850 *	1850 *	26.5	1400 *	1400 *
71	21.3	2700 *	2700 *	25.3	1750 *	1750 *	28.0	1350 *	1350 *
68	24.4	2450 *	2450 *	27.7	1650 *	1650 *	30.5	1300 *	1300 *
65	27.4	2250 *	2250 *	30.2	1550 *	1550 *	32.9	1250 *	1250 *
62	29.9	2050 *	2050 *	32.3	1500 *	1500 *	35.1	1200 *	1200 *
59	32.3	1900 *	1900 *	34.7	1400 *	1400 *	36.9	1200 *	1200 *
55	35.4	1750 *	1750 *	37.5	1350 *	1350 *	39.3	1150 *	1150 *
51	38.1	1600 *	1600 *	40.2	1250 *	1250 *	41.8	1100 *	1100 *
47	40.5	1300	1300	42.7	1200 *	1200 *	43.6	1100 *	1100 *
43	42.7	1100	1000	44.8	1050	950	45.4	1050	950
38	45.1	850	750	46.9	800	700	47.2	800	700
32	47.9	600	500	49.1	550	500	49.4	550	500
25	50.3	400							



ADD 45.4 kg 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 outriggers being fully extended, or in the case of partial extension ratings mechanically pinned in the appropriate position, and the tires free of the supporting surface.

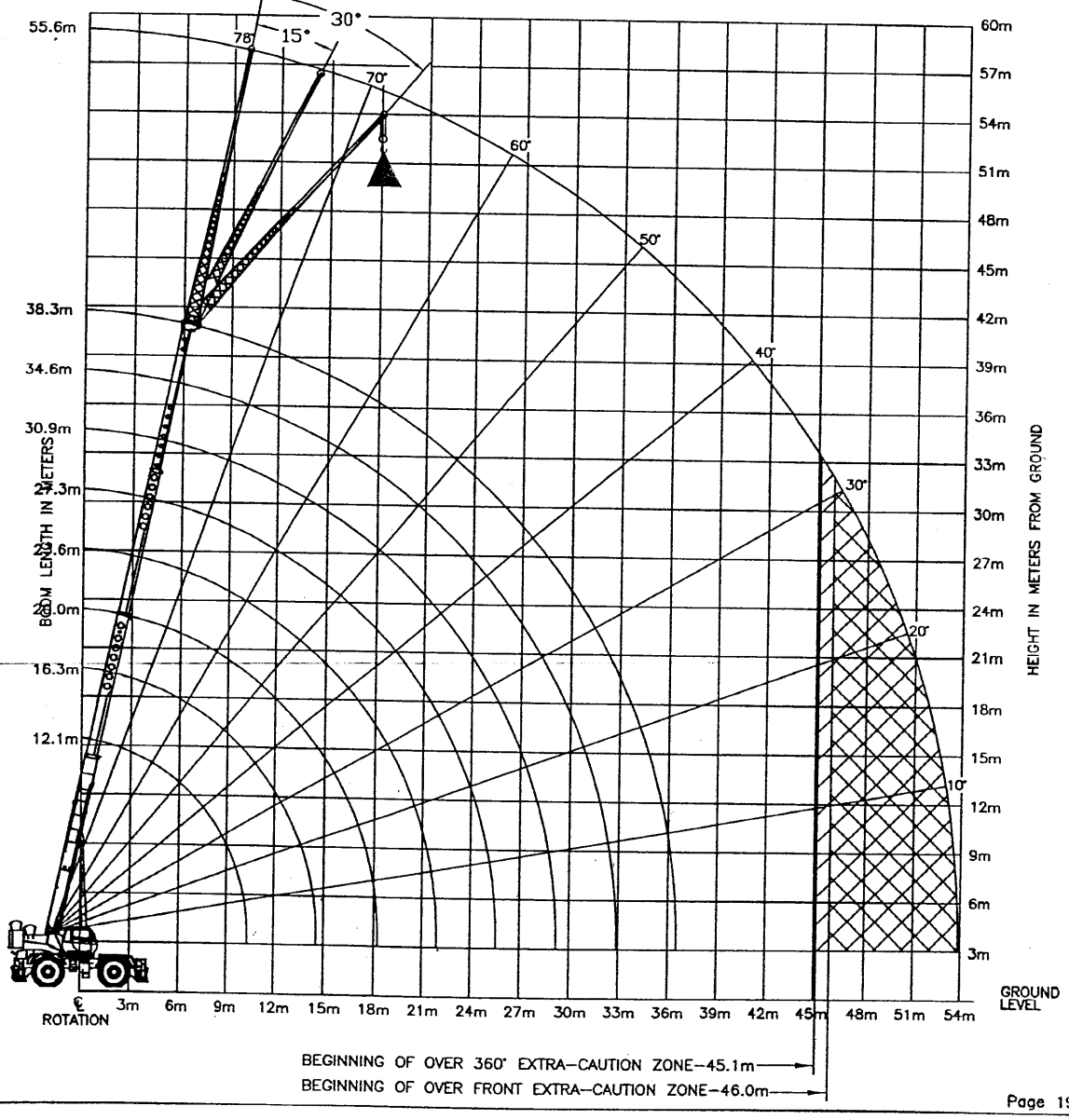
SET–UP:

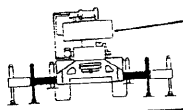
1. Crane load ratings are based on the crane being leveled and standing on a firm and uniform surface.
2. Crane load ratings on outriggers are based on all outrigger beams being positioned according to the applicable load chart and the tires raised free of the supporting surface.

OPERATION:

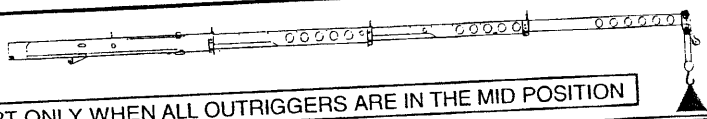
1. CRANE LOAD RATINGS MUST NOT BE EXCEEDED. DO NOT ATTEMPT TO TIP THE CRANE TO DETERMINE ALLOWABLE LOADS.
2. For boom angles not shown, use the capacity of the next lower angle
3. EXTRA–CAUTION ZONE – Tipping can occur with some boom/jib combinations at radii within this area without any load on the 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. Listed radii are for fully extended boom only.
5. 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. Rated lifting capacities are based on correct reeving. Deductions must be made for excessive reeving. Any reeving over the minimum is considered excessive. Deduct for each foot of excessive wire rope before attempting to lift a load. See the Hoist Tackle Chart for rope information.
6. When lifting over the jib the weight of any hook block, slings, and any auxiliary lifting devices at the boom head must be added to the load.
7. For all boom length less than the listed boom length, the rated load is to be determined by boom angle.
8. Power telescoping boom sections must be extended equally.

BOOM DEFLECTIONS NOT SHOWN





6,895 kg.



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

RATED LOAD ON OUTRIGGERS

LOAD RADIUS (m)	BOOM ANGLE (DEG) REF.	360° (kg)
BOOM LENGTH 12.1 m		
3.0	69.6	68050 *
3.5	67.0	58500 *
4.0	64.3	53850 *
4.5	61.6	48550
5.0	58.8	37950
6.0	52.8	25800
7.0	46.3	19000
8.0	38.9	14650
9.0	29.9	11650
10.0	16.2	9450
10.3	0	8800

LOAD RADIUS (m)	BOOM ANGLE (DEG) REF.	360° (kg)
BOOM LENGTH 16.3 m		
3.0	75.2	46450 *
3.5	73.3	46450 *
4.0	71.4	46150 *
4.5	69.6	45650 *
5.0	67.7	38450
6.0	63.7	26250
7.0	59.7	19500
8.0	55.4	15250
9.0	50.9	12250
10.0	46.1	10000
12.0	34.8	7000
14.0	17.6	5000
14.6	0.0	4500

LOAD RADIUS (m)	BOOM ANGLE (DEG) REF.	360° (kg)
BOOM LENGTH 20.0 m		
4.5	73.5	36900 *
5.0	71.9	35450 *
6.0	68.9	26500
7.0	65.7	19700
8.0	62.5	15400
9.0	59.2	12450
10.0	55.7	10300
12.0	48.2	7250
14.0	39.7	5250
16.0	29.1	3850
18.0	10.8	2800
18.2	0	2700

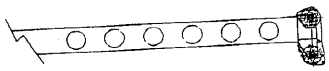
BOOM LENGTH 23.6 m		
6.0	72.3	26650
7.0	69.7	19850
8.0	67.1	15550
9.0	64.4	12550
10.0	61.6	10400
12.0	55.9	7400
14.0	49.7	5450
16.0	42.8	4050
18.0	34.8	3000
20.0	24.6	2200
21.9	0.0	1550

BOOM LENGTH 27.3 m		
6.0	74.7	25500 *
7.0	72.5	19950
8.0	70.3	15650
9.0	68.0	12650
10.0	65.7	10500
12.0	61.0	7500
14.0	56.0	5550
16.0	50.7	4150
18.0	44.9	3100
20.0	38.4	2300
22.0	30.8	1650
24.0	20.7	1150
25.6	0.0	800

BOOM LENGTH 30.9 m		
8.0	72.7	15700
9.0	70.8	12700
10.0	68.8	10550
12.0	64.7	7550
14.0	60.5	5600
16.0	56.1	4250
18.0	51.5	3200
20.0	46.5	2400
22.0	41.0	1750
24.0	34.8	1250
26.0	27.4	800

BOOM LENGTH 34.6 m		
9.0	72.9	12750
10.0	71.1	10600
12.0	67.6	7600
14.0	63.9	5650
16.0	60.1	4300
18.0	56.2	3250
20.0	52.0	2450
22.0	47.7	1800
24.0	42.9	1300
26.0	37.7	850

BOOM LENGTH 38.3 m		
10.0	73.0	10650
12.0	69.8	7650
14.0	66.6	5700
16.0	63.2	4300
18.0	59.8	3300
20.0	56.3	2500
22.0	52.5	1900
24.0	48.6	1350
26.0	44.4	900



Add 45 kg to the chart values if the AUXILLIARY BOOM HEAD SHEAVE is NOT ERECTED

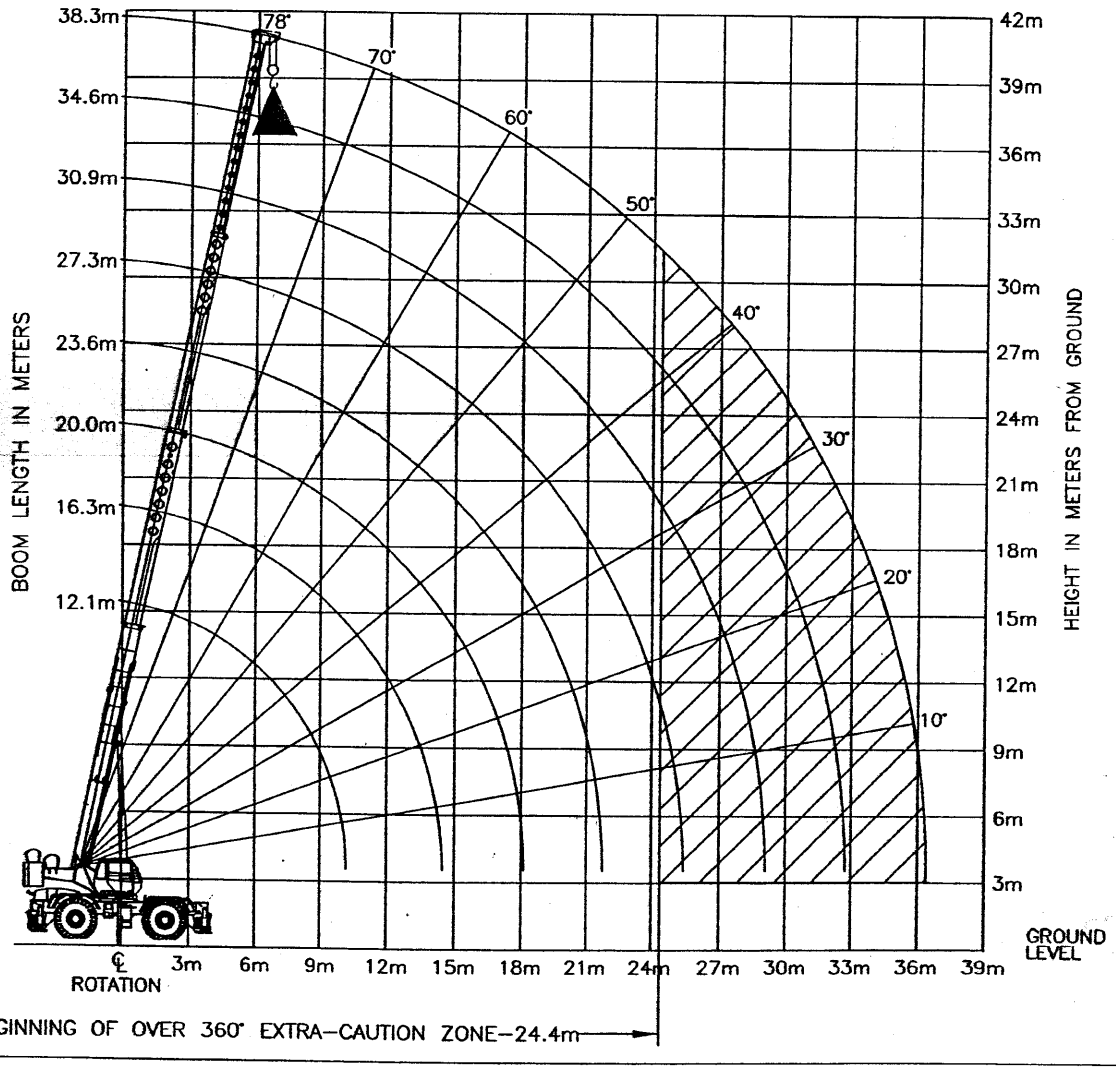
SET–UP:

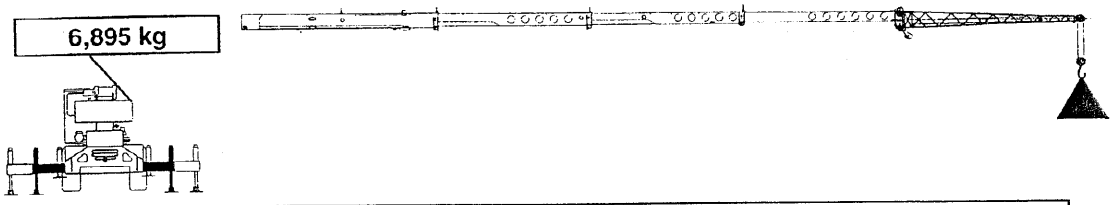
1. Crane load ratings are based on the crane being leveled and standing on a firm and uniform surface.
2. Crane load ratings on outriggers are based on all outrigger beams being positioned according to the applicable load chart and the tires raised free of the supporting surface.

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. EXTRA–CAUTION ZONE – Tipping can occur with some boom/jib combinations at radii within this area without any 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. 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. Rated lifting capacities are based on correct reeving. Deductions must be made for excessive reeving. Any reeving over the minimum is considered excessive. Deduct for each foot of excessive wire rope before attempting to lift a load. See the Hoist Tackle Chart for rope information.
6. Power telescoping boom sections must be extended equally.

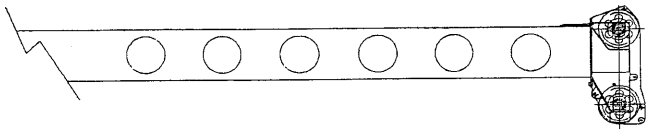
BOOM DEFLECTIONS NOT SHOWN





USE THIS CHART ONLY WHEN ALL OUTRIGGERS ARE IN THE MID POSITION.
USE THIS CHART ONLY WHEN NO PULLOUT IS INSTALLED IN THE JIB.

9.75 m OFFSET JIB						
	0° OFFSET		15° OFFSET		30° OFFSET	
LOADED BOOM ANGLE (DEG)	(REF) LOAD RADIUS (m)	360°(kg)	(REF) LOAD RADIUS (m)	360°(kg)	(REF) LOAD RADIUS (m)	360°(kg)
77	12.2	5650 *	15.2	3800 *	17.1	2950 *
75	13.7	5350 *	16.5	3650 *	18.3	2850 *
73	15.5	5050 *	18.0	3500 *	19.8	2800 *
71	17.1	4450	19.5	3300 *	21.3	2700 *
68	19.5	3400	21.9	2800	23.5	2600 *
65	21.6	2600	24.1	2250	25.6	2100
62	23.8	2000	25.9	1750	27.4	1600
59	25.9	1500				



ADD 45.4 kg 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 outriggers being fully extended, or in the case of partial extension ratings mechanically pinned in the appropriate position, and the tires free of the supporting surface.

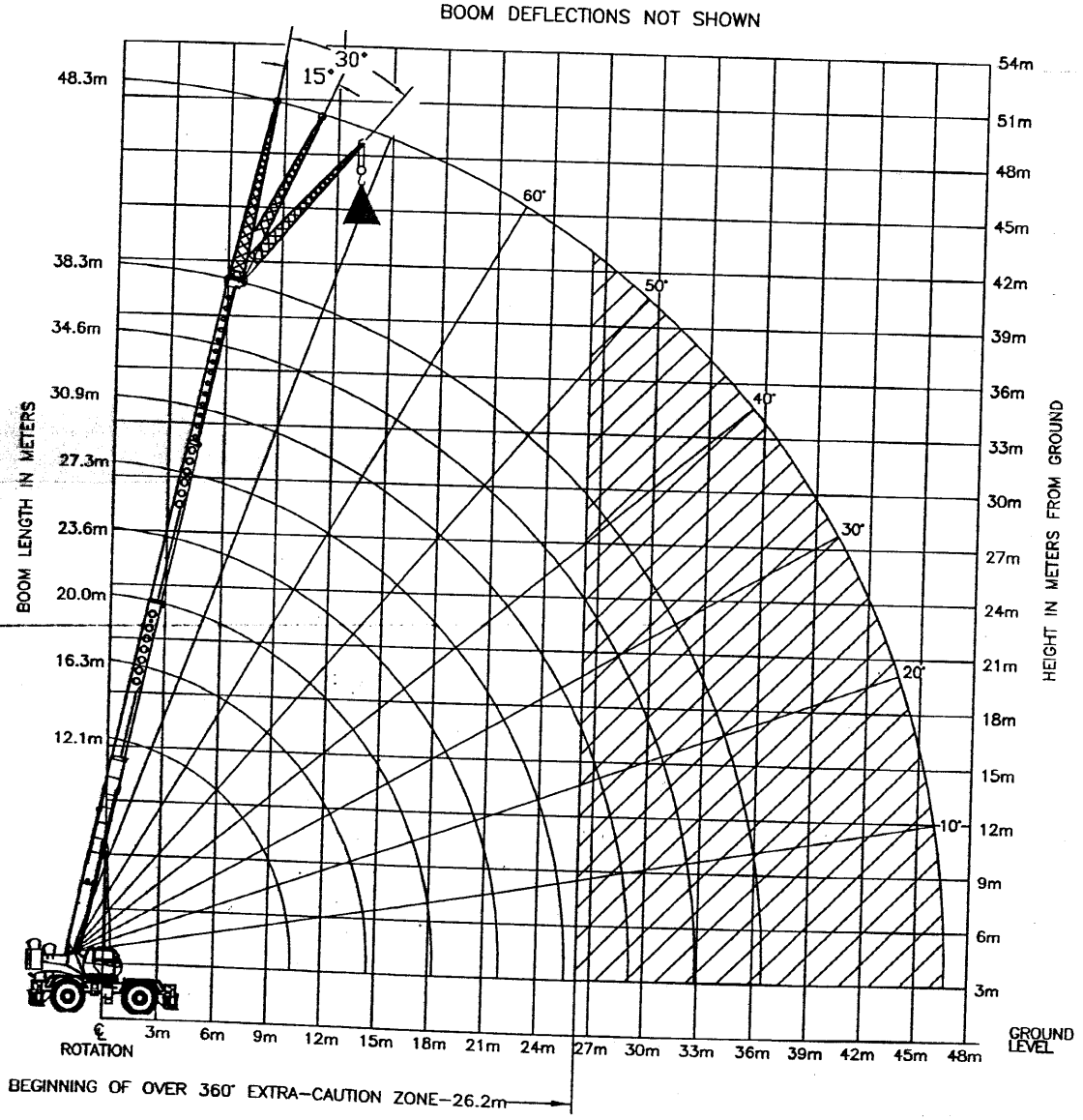
SET–UP:

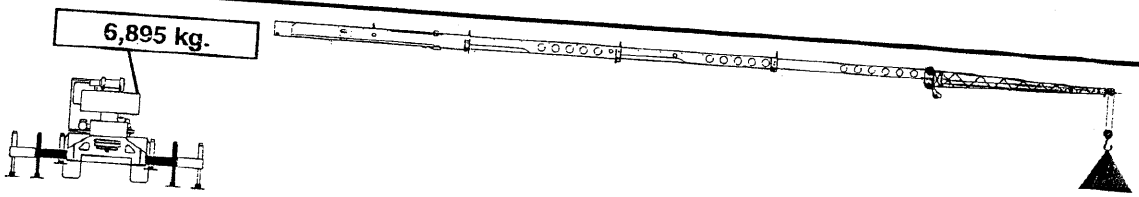
1. Crane load ratings are based on the crane being leveled and standing on a firm and uniform surface.
2. Crane load ratings on outriggers are based on all outrigger beams being positioned according to the applicable load chart and the tires raised free of the supporting surface.

OPERATION:

1. CRANE LOAD RATINGS MUST NOT BE EXCEEDED. DO NOT ATTEMPT TO TIP THE CRANE TO DETERMINE ALLOWABLE LOADS.
2. For boom angles not shown, use the capacity of the next lower angle
3. EXTRA–CAUTION ZONE – Tipping can occur with some boom/jib combinations at radii within this area without any 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. Listed radii are for fully extended boom only.
5. 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. Rated lifting capacities are based on correct reeving. Deductions must be made for excessive reeving. Any reeving over the minimum is considered excessive. Deduct for each foot of excessive wire rope before attempting to lift a load. See the Hoist Tackle Chart for rope information.
6. When lifting over the jib the weight of any hook block, slings, and any auxiliary lifting devices at the boom head must be added to the load.
7. For all boom length less than the listed boom length, the rated load is to be determined by boom angle.
8. Listed radii are for fully extended boom only.

BOOM DEFLECTIONS NOT SHOWN

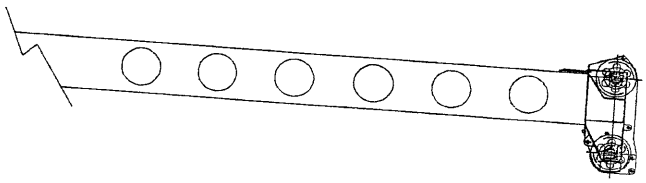




USE THIS CHART ONLY WHEN ALL OUTRIGGERS ARE IN THE MID POSITION.

10.1 m OFFSET JIB

	0° OFFSET		15° OFFSET		30° OFFSET	
LOADED BOOM ANGLE (DEG)	(REF) LOAD RADIUS (m)	360°(kg.)	(REF) LOAD RADIUS (m)	360°(kg.)	(REF) LOAD RADIUS (m)	360°(kg.)
77	12.2	5650 *	15.2	3800 *	17.1	2950 *
75	14.0	5350 *	16.8	3650 *	18.6	2850 *
73	15.8	4800	18.3	3350	20.1	2800 *
71	17.4	4000	19.8	3000	21.6	2700 *
68	19.8	3000	22.3	2450	23.8	2300
65	21.9	2250	24.4	1900	25.9	1750
62	24.1	1650	26.2	1400	27.7	1300
59	26.2	1200				



ADD 45.4 kg 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 outriggers being fully extended, or in the case of partial extension ratings mechanically pinned in the appropriate position, and the tires free of the supporting surface.

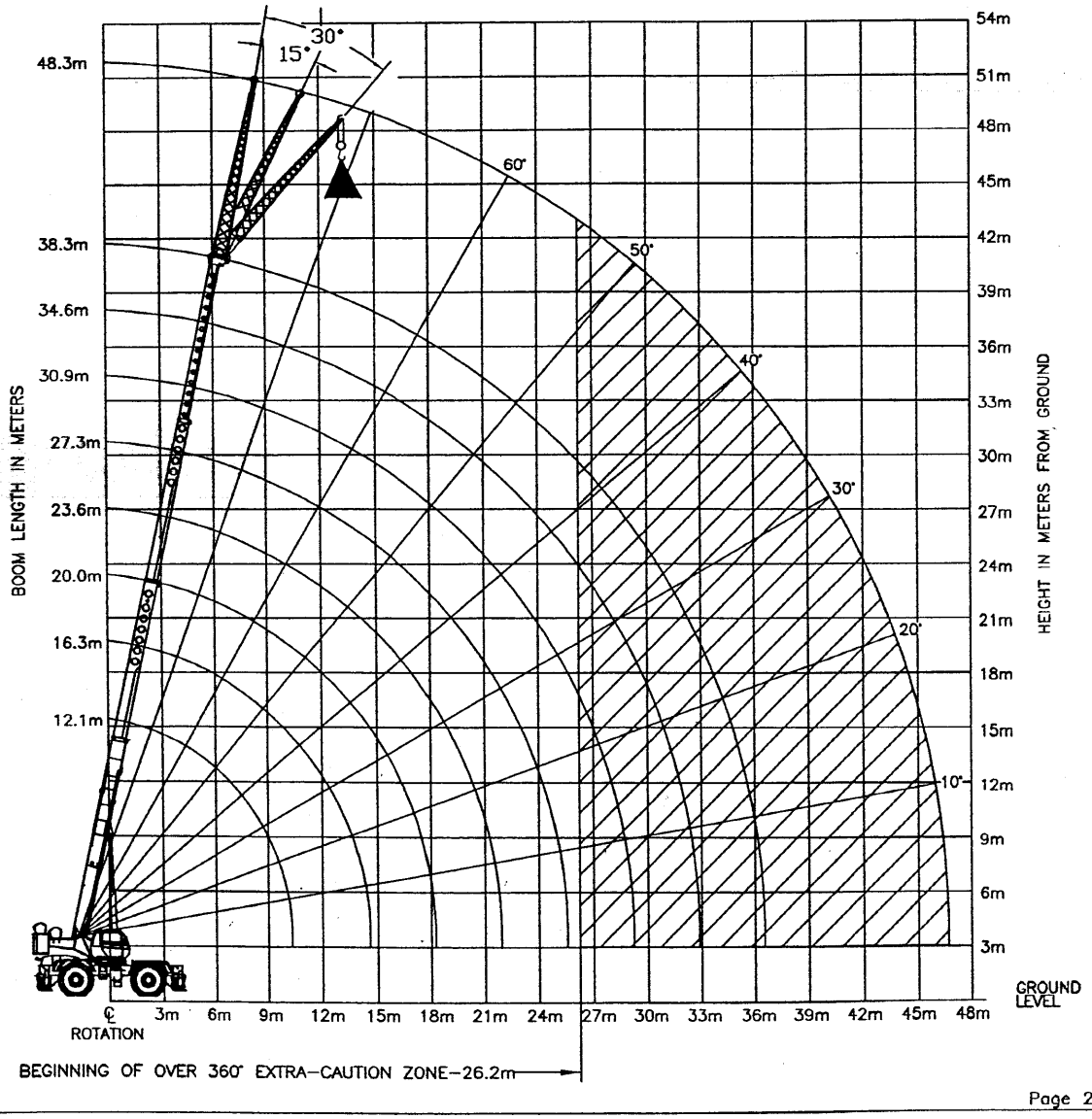
SET–UP:

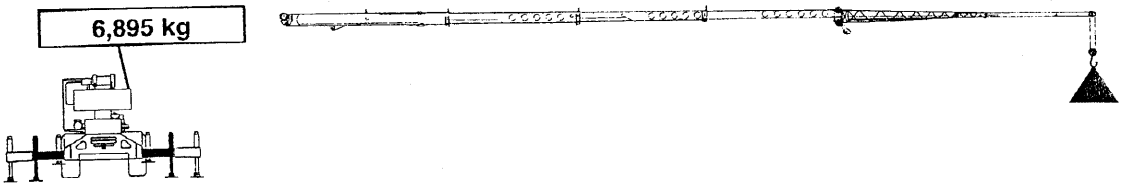
1. Crane load ratings are based on the crane being leveled and standing on a firm and uniform surface.
2. Crane load ratings on outriggers are based on all outrigger beams being positioned according to the applicable load chart and the tires raised free of the supporting surface.

OPERATION:

1. CRANE LOAD RATINGS MUST NOT BE EXCEEDED. DO NOT ATTEMPT TO TIP THE CRANE TO DETERMINE ALLOWABLE LOADS.
2. For boom angles not shown, use the capacity of the next lower angle
3. EXTRA–CAUTION ZONE – Tipping can occur with some boom/jib combinations at radii within this area without any 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. Listed radii are for fully extended boom only.
5. 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. Rated lifting capacities are based on correct reeving. Deductions must be made for excessive reeving. Any reeving over the minimum is considered excessive. Deduct for each foot of excessive wire rope before attempting to lift a load. See the Hoist Tackle Chart for rope information.
6. When lifting over the jib the weight of any hook block, slings, and any auxiliary lifting devices at the boom head must be added to the load.
7. For all boom length less than the listed boom length, the rated load is to be determined by boom angle.
8. Listed radii are for fully extended boom only.

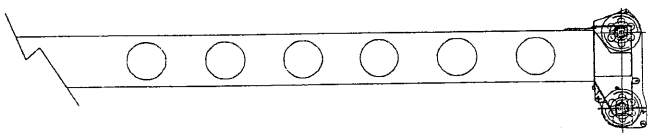
BOOM DEFLECTIONS NOT SHOWN





USE THIS CHART ONLY WHEN ALL OUTRIGGERS ARE IN THE MID POSITION.

17.3 m OFFSET JIB						
	0° OFFSET		15° OFFSET		30° OFFSET	
LOADED BOOM ANGLE (DEG)	(REF) LOAD RADIUS (m)	360° (kg)	(REF) LOAD RADIUS (m)	360° (kg)	(REF) LOAD RADIUS (m)	360° (kg)
77	14.9	2900 *	20.1	2000 *	23.2	1500 *
75	17.1	2800 *	21.9	1950 *	24.7	1450 *
73	19.2	2550	23.8	1850 *	26.5	1400 *
71	21.0	2300	25.6	1750 *	28.0	1350 *
68	23.8	1900	28.0	1550	30.5	1300 *
65	26.5	1550	30.2	1250	32.6	1200
62	29.0	1200				



ADD 45.4 kg 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 outriggers being fully extended, or in the case of partial extension ratings mechanically pinned in the appropriate position, and the tires free of the supporting surface.

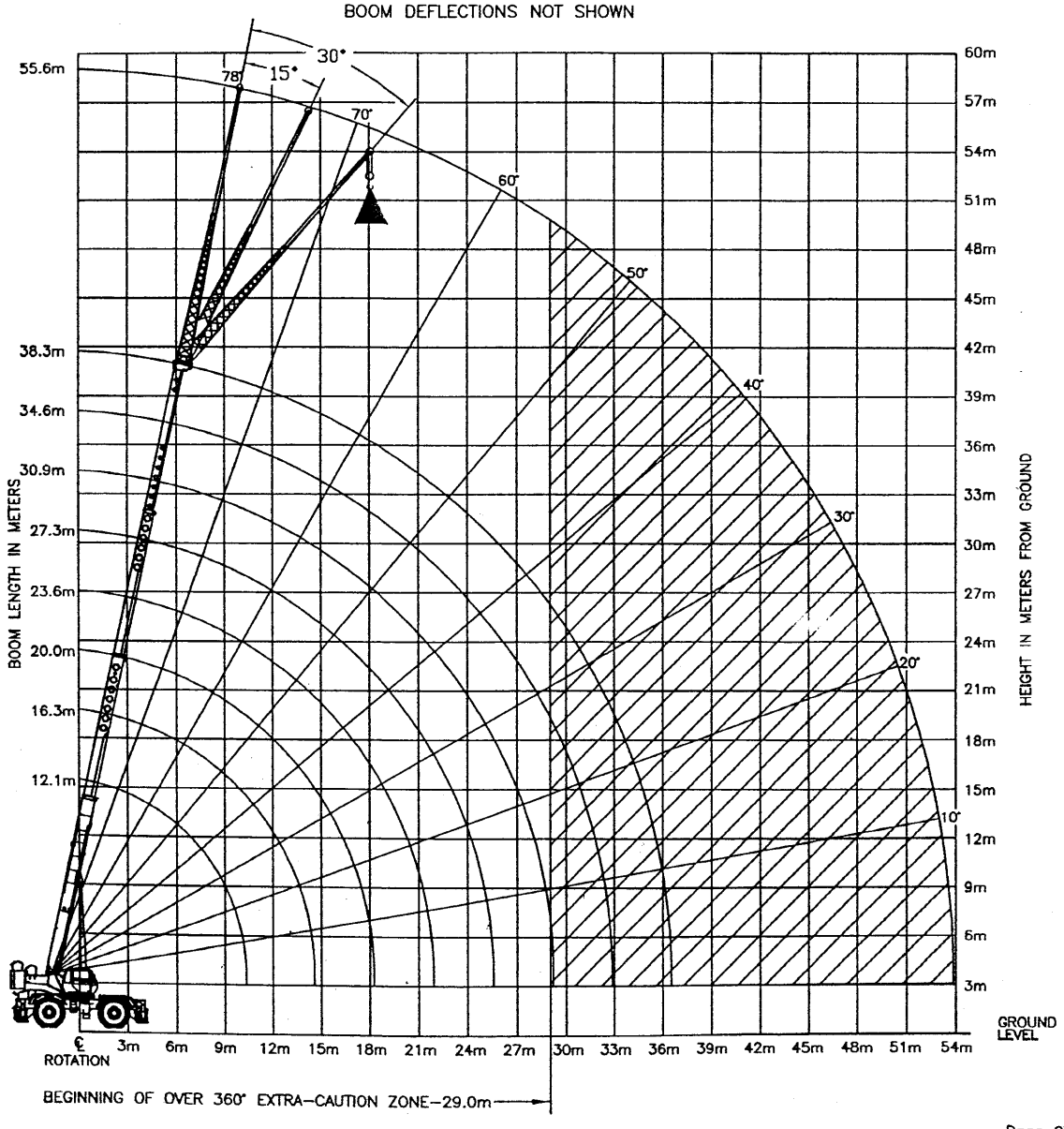
SET–UP:

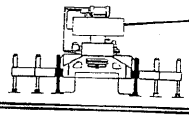
1. Crane load ratings are based on the crane being leveled and standing on a firm and uniform surface.
2. Crane load ratings on outriggers are based on all outrigger beams being positioned according to the applicable load chart and the tires raised free of the supporting surface.

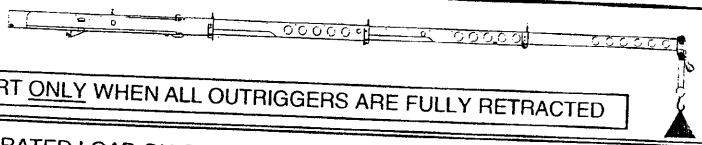
OPERATION:

1. CRANE LOAD RATINGS MUST NOT BE EXCEEDED. DO NOT ATTEMPT TO TIP THE CRANE TO DETERMINE ALLOWABLE LOADS.
2. For boom angles not shown, use the capacity of the next lower angle
3. EXTRA–CAUTION ZONE – Tipping can occur with some boom/jib combinations at radii within this area without any 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. Listed radii are for fully extended boom only.
5. 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. Rated lifting capacities are based on correct reeving. Deductions must be made for excessive reeving. Any reeving over the minimum is considered excessive. Deduct for each foot of excessive wire rope before attempting to lift a load. See the Hoist Tackle Chart for rope information.
6. When lifting over the jib the weight of any hook block, slings, and any auxiliary lifting devices at the boom head must be added to the load.
7. For all boom length less than the listed boom length, the rated load is to be determined by boom angle.
8. Power telescoping boom sections must be extended equally.

BOOM DEFLECTIONS NOT SHOWN







USE THIS CHART ONLY WHEN ALL OUTRIGGERS ARE FULLY RETRACTED

RATED LOAD ON OUTRIGGERS

LOAD RADIUS (m)	BOOM ANGLE (DEG) REF.	360° (kg)
BOOM LENGTH 12.1 m		
3.0	69.6	39600
3.5	67.0	29250
4.0	64.3	22800
4.5	61.6	18350
5.0	58.8	15150
6.0	52.8	10850
7.0	46.3	8050
8.0	38.9	6100
9.0	29.9	4650
10.0	16.2	3500
10.3	0	3150

LOAD RADIUS (m)	BOOM ANGLE (DEG) REF.	360° (kg)
BOOM LENGTH 16.3 m		
3.0	75.2	40100
3.5	73.3	29700
4.0	71.4	23200
4.5	69.6	18850
5.0	67.7	15650
6.0	63.7	11350
7.0	59.7	8550
8.0	55.4	6600
9.0	50.9	5150
10.0	46.1	4000
12.0	34.8	2400
14.0	17.6	1300
14.6	0.0	1000

LOAD RADIUS (m)	BOOM ANGLE (DEG) REF.	360° (kg)
BOOM LENGTH 20.0 m		
4.5	73.5	19050
5.0	71.9	15850
6.0	68.9	11550
7.0	65.7	8800
8.0	62.5	6850
9.0	59.2	5350
10.0	55.7	4250
12.0	48.2	2650
14.0	39.7	1550

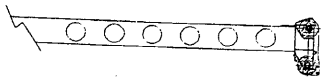
BOOM LENGTH 23.6 m		
6.0	72.3	11650
7.0	69.7	8900
8.0	67.1	6950
9.0	64.4	5550
10.0	61.6	4400
12.0	55.9	2800
14.0	49.7	1700

BOOM LENGTH 27.3 m		
6.0	74.7	11750
7.0	72.5	9000
8.0	70.3	7050
9.0	68.0	5600
10.0	65.7	4500
12.0	61.0	2900
14.0	56.0	1800
16.0	50.7	1000

BOOM LENGTH 30.9 m		
8.0	72.7	7100
9.0	70.8	5650
10.0	68.8	4550
12.0	64.7	3000
14.0	60.5	1900
16.0	56.1	1100

BOOM LENGTH 34.6 m		
9.0	72.9	5700
10.0	71.1	4600
12.0	67.6	3050
14.0	63.9	1950
16.0	60.1	1150

BOOM LENGTH 38.3 m		
10.0	73.0	4650
12.0	69.8	3050
14.0	66.6	2000
16.0	63.2	1200



Add 45 kg to the chart values if the AUXILLIARY BOOM HEAD SHEAVE is NOT ERECTED

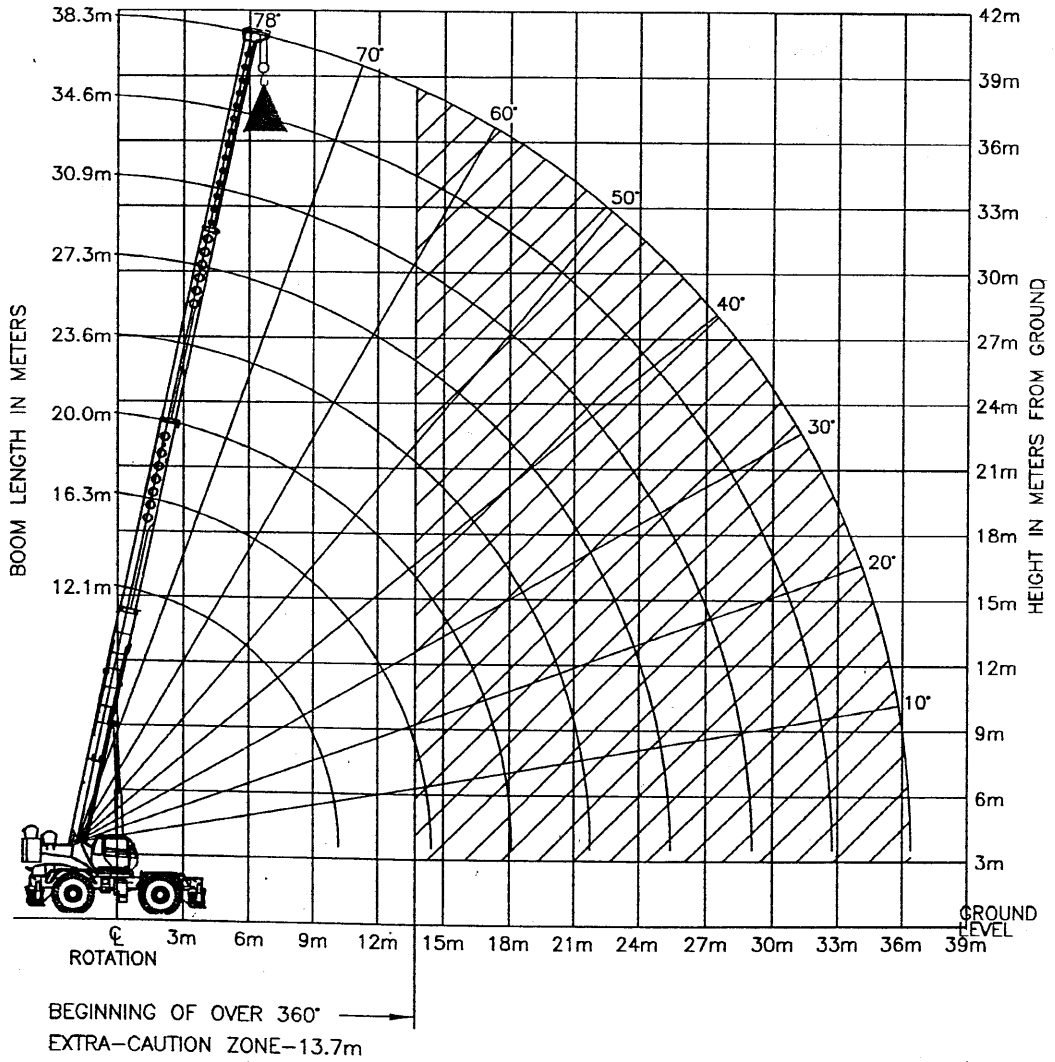
SET–UP:

1. Crane load ratings are based on the crane being leveled and standing on a firm and uniform surface.
2. Crane load ratings on outriggers are based on all outrigger beams being positioned according to the applicable load chart 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. EXTRA–CAUTION ZONE – Tipping can occur with some boom/jib combinations at radii within this area without any 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. 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. Rated lifting capacities are based on correct reeving. Deductions must be made for excessive reeving. Any reeving over the minimum is considered excessive. Deduct for each foot of excessive wire rope before attempting to lift a load. See the Hoist Tackle Chart for rope information.
6. Power telescoping boom sections must be extended equally.

BOOM DEFLECTIONS NOT SHOWN

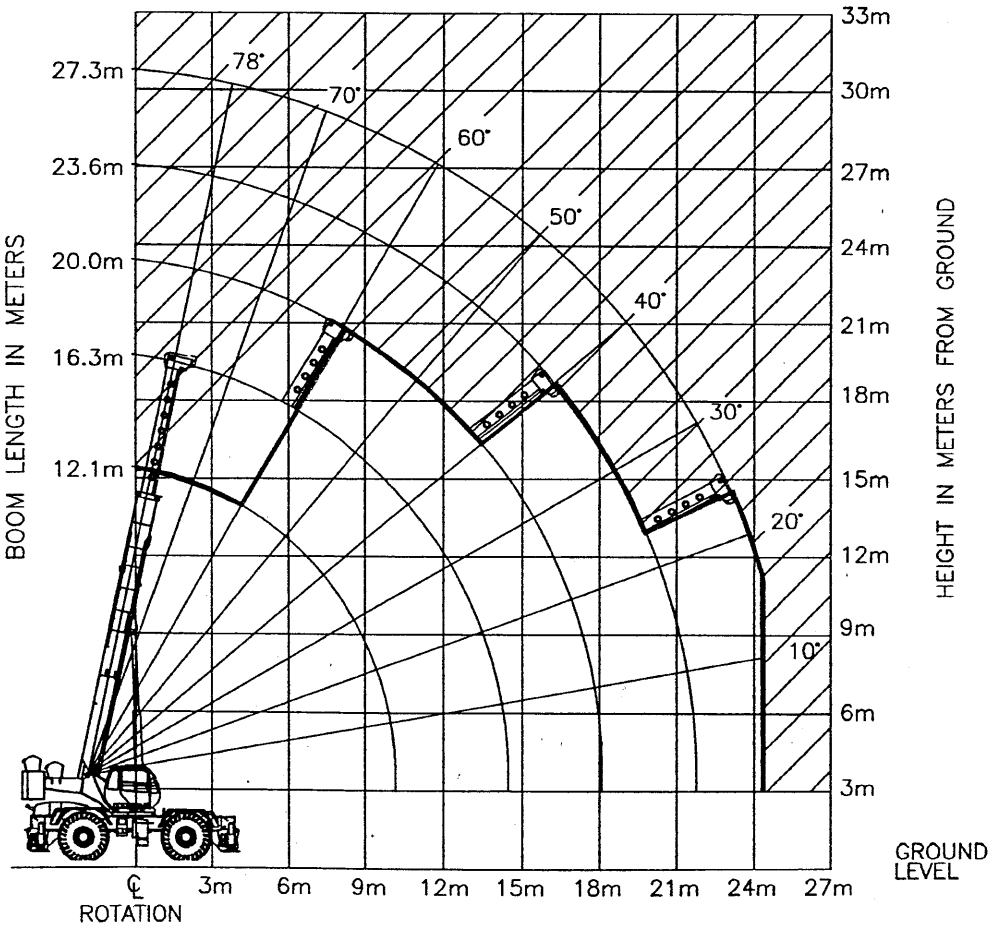


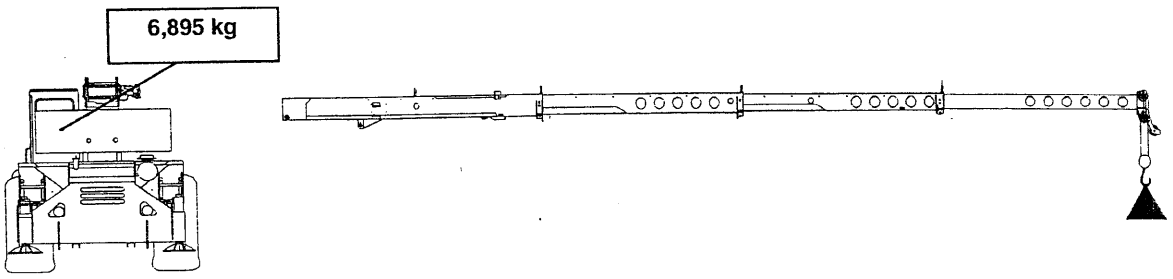
1. For pick and carry operations, boom must be centered over the front of the crane with swing and brake lock engaged. Use minimum boom point height and keep load close to ground surface. Travel must be on smooth level surface.
2. The load should be restrained from swinging. No on tire operation with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

OPERATION:

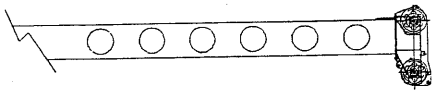
1. CRANE LOAD RATINGS MUST NOT BE EXCEEDED. DO NOT ATTEMPT TO TIP THE CRANE TO DETERMINE ALLOWABLE LOADS.
2. When radius is between listed values, the smaller of the two listed load ratings shall be used.
3. Do not operate at longer radii than those listed on the applicable load rating chart as tipping 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).

BOOM DEFLECTIONS NOT SHOWN





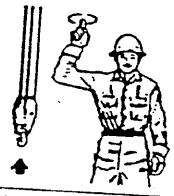
ON TIRES					
RADIUS (m)	MAX BOOM LENGTH (m)	29.5 X 25 28PR			
		STATIONARY		PICK & CARRY	
		STATIC		CREEP	4.0 km/hr
		360°	STRAIGHT OVER FRONT		
3.0	12.1	22000	38050	31100*	23450*
3.5	12.1	19150	33100	28350*	21300*
4.0	12.1	16700	28800	25700*	19200*
4.5	12.1	14500	25050	23350*	17350*
5.0	12.1	12650	21850	21350	15750*
6.0	12.1	9600	16700	16700	13150*
7.0	16.3	7300	13000	13000	11150*
8.0	16.3	5600	10350	10350	9600*
9.0	16.3	4400	8450	8450	8350
10.0	16.3	3450	7100	7100	7100
12.0	20	2250	5650	5350	5350
14.0	20	1450	4150	4150	4150
16.0	23.6	850	3200	3200	3200
18.0	23.6		2300	2300	2300
20.0	23.6		1650	1650	1650
22.0	27.3		1300	1300	1300



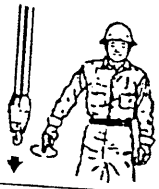
Add 45 kg to the chart values if the AUX BOOM HEAD SHEAVE is NOT ERECTED.

Crane load ratings are based on the crane being leveled and standing on a firm, uniform supporting surface.
Crane load ratings on tires depend on appropriate inflation pressure and tire condition. Caution must be exercised when increasing air pressures in tires. Consult Operator's Manual for precautions.
Use of jibs, lattice-type boom extensions, or fourth section pull-out extended is not permitted for pick and carry operations.

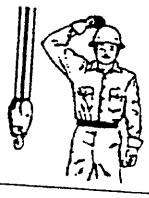
Hand Signals for Crane Operation



HOIST. With forearm vertical, forefinger pointing up, move hand in small horizontal circle.

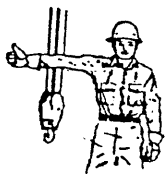


LOWER. With arm extended downward, forefinger pointing down, move hand in a small horizontal circle.

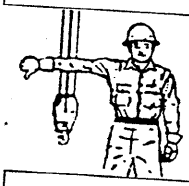


USE MAIN HOIST. Tap fist on head; then use regular symbols

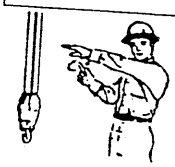
USE WHIPLINE (Auxiliary Hoist). Tap elbow with one hand; then use regular signals.



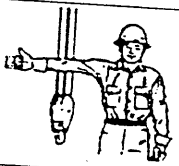
RAISE BOOM. Arm extended, fingers closed, thumb pointing upward.



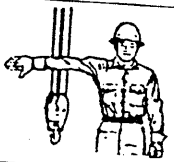
LOWER BOOM. Arm extended, fingers closed, thumb pointing downward.



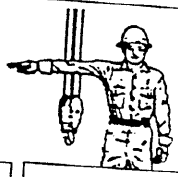
MOVE SLOWLY. Use one hand to give any motion signal and place other hand motionless in front of hand giving the motion signal.



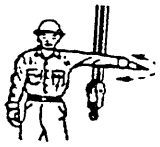
RAISE THE BOOM AND LOWER THE LOAD. With arm extended, thumb pointing up, flex fingers in and out as long as load movement is desired.



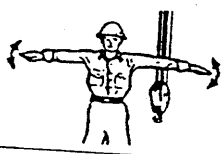
LOWER THE BOOM AND LOWER THE LOAD. With arm extended, thumb pointing down, flex fingers in and out as long as load movement is desired.



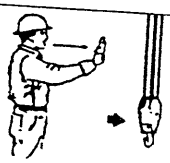
SWING. Arm extended, point finger in direction of swing of boom



STOP. Arm extended, palm down, move arm back and forth horizontally.



EMERGENCY STOP. Both arms extended, palms down, move arms back and forth horizontally.



TRAVEL. Arm extended forward, hand open and slightly raise, make pushing motion in direction of travel

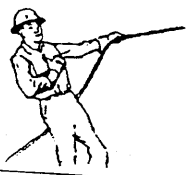
DOG EVERYTHING. Clasp hands in front of body

TRAVEL (Both Tracks). Use both fists in front of body, making a circular motion about each other, indicating direction of travel, forward or backward

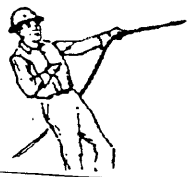
TRAVEL. (One Track) Lock the track on the side indicated by rased fist. Travel opposite track in the direction indicated by the circular motion of other fist, rotated vertically in front of the body.

EXTEND BOOM (Telescoping Booms). Both fists in front of the body with thumbs pointing outward.

RETRACT BOOM (Telescoping Booms). Both fists in front of the body with thumbs pointing toward each other.



EXTEND BOOM (Telescoping Booms). One Hand Signal. One fist in front of chest with thumb tapping chest.



RETRACT BOOM (Telescoping Booms). One Hand Signal. One fist in front of chest with thumb pointing outward and heel of fist tapping chest.

Built in Waverly, Iowa U.S.A.

TEREX CRANES
Waverly, Iowa 50677