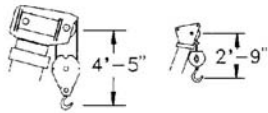


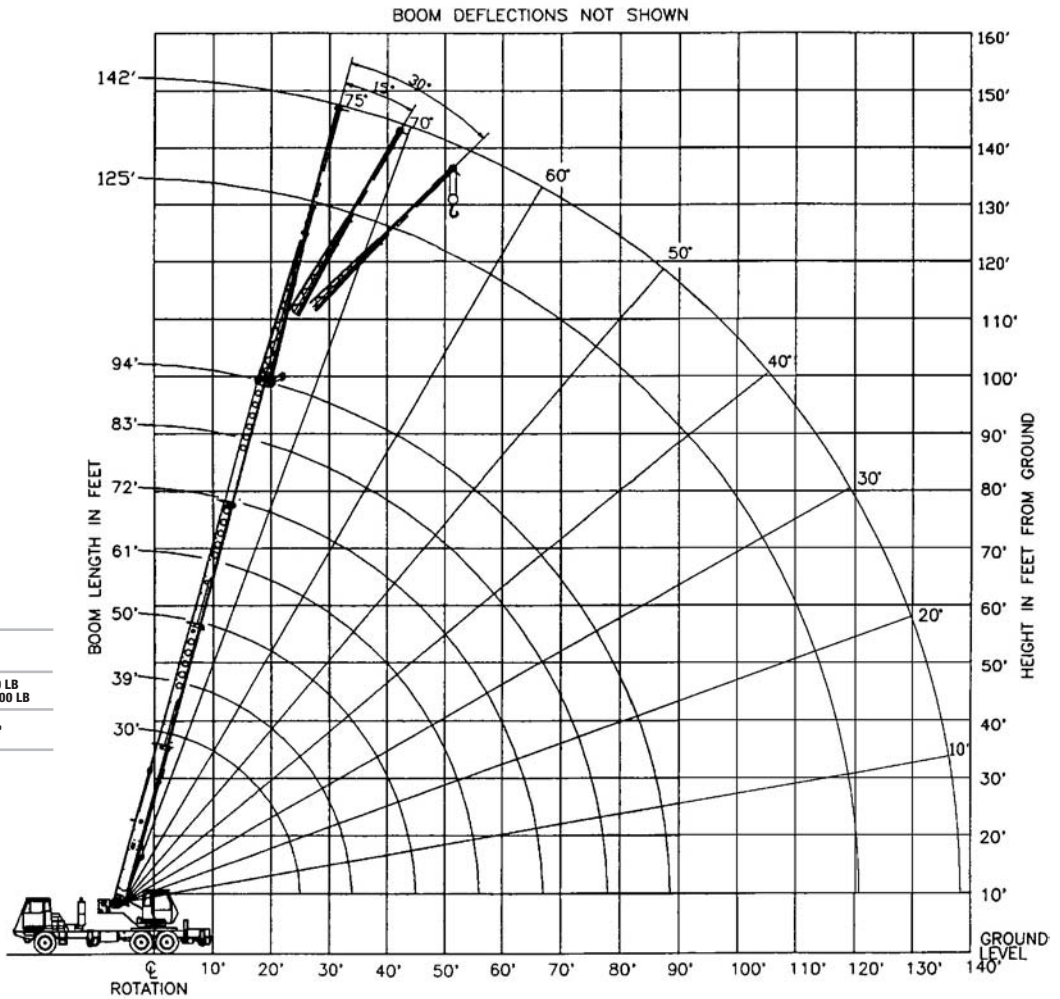
Range Diagram and Lifting Capacity | T340-1

RANGE DIAGRAM 30' - 94' BOOM

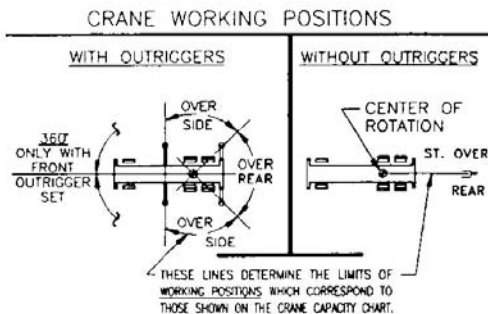


Dimensions are for largest factory furnished hook block and hook & ball, with anti-two block activated

COUNTER WEIGHT	F. BUMPER 1,850 LB
BOOM LENGTH	30'-94'
UPPERSTRUCTURE	W/AUX. WINCH 6,100 LB W/O AUX. WINCH 7,200 LB
STABILITY PERCENTAGE	ON OUTRIGGERS 85% ON TIRES 75%
PCSA CLASS	9-118



CRANE WORKING CONDITIONS



REDUCTION IN MAIN BOOM CAPACITY

All jib in stowed position	0 lb
Aux. boom in head sheave	100lb

HOOK BLOCK WEIGHTS

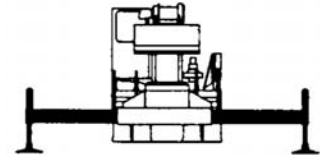
Hook and ball	239 lb
25T hook block (2 sheave)	682 lb
30T hook block (3 sheave)	670 lb
40T hook block (4 sheave)	690 lb

LIFTING CAPACITIES CAUTION: Do not use this specification sheet as a load rating chart. The format of data is not consistent with the machine chart and may be subject to change

**30' - 94' BOOM
ON OUTRIGGERS - FULLY EXTENDED**

LOAD RADIUS (FT)	BOOM LENGTH 30'			BOOM LENGTH 39'			BOOM LENGTH 50'			LOAD RADIUS (FT)
	LOADED BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)	LOADED BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)	LOADED BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)	
10	63.0	70,000*	70,000*	69.4	46,600*	46,600*				10
12	58.5	60,000*	60,000*	66.2	46,600*	46,600*	71.7	46,600*	46,600*	12
15	51.4	46,700*	46,700*	61.2	46,600*	46,600*	68.0	44,300*	44,300*	15
20	37.4	33,300*	33,300*	52.3	34,100*	34,100*	61.6	34,600*	34,600*	20
25	13.7	23,900	21,700	42.0	24,900	22,700	54.8	25,300	23,200	25
30	**			28.8	18,000	15,600	47.3	18,400	16,200	30
35				**			38.7	14,100	11,900	35
40							27.9	11,100	9,100	40
45							7.9	8,800	7,000	45
50							**			50
55										55
60										60
65										65
70										70
75										75
80										80
85										85

**USE THESE CHARTS ONLY
WHEN ALL OUTRIGGERS
ARE FULLY EXTENDED**



ON OUTRIGGERS - FULLY EXTENDED

LOAD RADIUS (FT)	BOOM LENGTH 61'			BOOM LENGTH 72'			BOOM LENGTH 83'			BOOM LENGTH 94'			LOAD RADIUS (FT)
	LOADED BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)	LOADED BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)	LOADED BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)	LOADED BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)	
10													10
12													12
15	72.1	38,100*	38,100*										15
20	67.1	33,000*	33,000*	70.8	27,400*	27,400*							20
25	61.9	25,600	23,600	66.5	23,100*	23,100*	69.8	21,800*	21,800*	72.2	17,500*	17,500	25
30	56.3	18,700	16,500	62.0	18,900	16,700	66.0	18,300*	16,800	69.0	15,000*	15,000	30
35	50.4	14,400	12,200	57.4	14,500	12,400	62.2	14,700	12,500	65.7	13,000*	12,600	35
40	43.9	11,400	9,400	52.5	11,500	9,600	58.1	11,700	9,700	62.2	11,500*	9,800	40
45	36.5	9,200	7,300	47.2	9,300	7,500	53.9	9,500	7,700	58.7	9,500	7,700	45
50	27.3	7,500	5,800	41.4	7,700	6,000	49.5	7,800	6,100	55.1	7,900	6,200	50
55	13.0	6,100	4,600	34.8	6,300	4,800	44.7	6,500	4,900	51.2	6,600	5,000	55
60	**			26.9	5,300	3,800	39.5	5,400	4,000	47.2	5,500	4,100	60
65				15.5	4,300	3,000	33.6	4,500	3,200	42.8	4,600	3,300	65
70				**			26.6	3,800	2,500	38.0	3,900	2,600	70
75							17.0	3,100	2,000	32.7	3,200	2,100	75
80							**			26.4	2,700	1,600	80
85										18.1	2,200	1,200	85

****MAXIMUM CAPACITY AT 0 DEGREE BOOM ANGLE**

BOOM LENGTH 30'			BOOM LENGTH 39'			BOOM LENGTH 50'			BOOM LENGTH 61'			BOOM LENGTH 72'			BOOM LENGTH 83'			BOOM LENGTH 94'		
LOAD RADIUS (FT)	OVER REAR (LB)	360° (LB)	LOAD RADIUS (FT)	OVER REAR (LB)	360° (LB)	LOAD RADIUS (FT)	OVER REAR (LB)	360° (LB)	LOAD RADIUS (FT)	OVER REAR (LB)	360° (LB)	LOAD RADIUS (FT)	OVER REAR (LB)	360° (LB)	LOAD RADIUS (FT)	OVER REAR (LB)	360° (LB)	LOAD RADIUS (FT)	OVER REAR (LB)	360° (LB)
25.6	22,700	20,400	34.3	13,800	11,700	45.3	8,600	6,800	56.3	5,700	5,200	67.3	3,900	2,700	78.3	2,700	1,600	89.3	1,800	800

LIFTING CAPACITIES CAUTION: Do not use this specification sheet as a load rating chart. The format of data is not consistent with the machine chart and may be subject to change

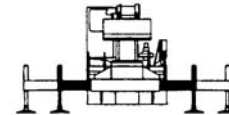
30' - 94' BOOM ON OUTRIGGERS - MID POSITION

LOAD RADIUS (FT)	BOOM LENGTH 30'		BOOM LENGTH 45'		BOOM LENGTH 57'		BOOM LENGTH 69'		BOOM LENGTH 81'		BOOM LENGTH 93'		BOOM LENGTH 105'		LOAD RADIUS (FT)
	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (DEG)	LOADED BOOM ANGLE (LB)	360° (DEG)	LOADED BOOM ANGLE (LB)	360° (DEG)	LOADED BOOM ANGLE (LB)	360° (DEG)	LOADED BOOM ANGLE (LB)	360° (DEG)	LOADED BOOM ANGLE (LB)	360° (DEG)	
10	63.0	65,900*	69.4	46,600*											10
12	58.5	50,200	66.2	46,600*	71.7	46,600*									12
15	51.4	29,600	61.2	30,400	68.0	31,000	72.1	31,300							15
20	37.4	16,000	52.3	16,700	61.6	17,200	67.1	17,500	70.8	17,700					20
25	13.7	9,600	42.0	10,600	54.8	11,000	61.9	11,300	66.5	11,500	69.8	11,600	72.2	11,700	25
30	**		28.8	7,000	47.3	7,500	56.3	7,800	62.0	7,900	66.0	8,000	69.0	8,100	30
35			**		38.7	5,200	50.4	5,500	57.4	5,600	62.2	5,800	65.7	5,800	35
40					27.9	3,600	43.9	3,900	52.5	4,000	58.1	4,200	62.2	4,200	40
45					7.9	2,200	36.5	2,700	47.2	2,900	53.9	3,000	58.7	3,100	45
50					**		27.3	1,700	41.4	1,900	49.5	2,100	55.1	2,200	50

****MAXIMUM CAPACITY AT 0 DEGREE BOOM ANGLE**

BOOM LENGTH 30'		BOOM LENGTH 39'		BOOM LENGTH 50'		BOOM LENGTH 61'		BOOM LENGTH 81'		BOOM LENGTH 93'		BOOM LENGTH 105'	
LOADED RADIUS (DEG)	360° (LB)	LOADED RADIUS (DEG)	360° (DEG)	LOADED RADIUS (LB)	360° (DEG)	LOADED RADIUS (LB)	360° (DEG)	LOADED RADIUS (LB)	360° (DEG)	LOADED RADIUS (LB)	360° (DEG)	LOADED RADIUS (LB)	360° (DEG)
25.6	8,900	34.3	4,700	45.3	2,100								

USE THESE CHARTS ONLY WHEN ALL OUTRIGGERS ARE PINNED IN MID POSITION



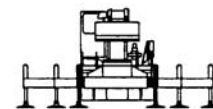
ON OUTRIGGERS - RETRACTED

LOAD RADIUS (FT)	BOOM LENGTH 30'		BOOM LENGTH 39'		BOOM LENGTH 50'		BOOM LENGTH 61'		BOOM LENGTH 72'		BOOM LENGTH 93'		BOOM LENGTH 105'		LOAD RADIUS (FT)
	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (DEG)	LOADED BOOM ANGLE (LB)	360° (DEG)	LOADED BOOM ANGLE (LB)	360° (DEG)	LOADED BOOM ANGLE (LB)	360° (DEG)	LOADED BOOM ANGLE (LB)	360° (DEG)	LOADED BOOM ANGLE (LB)	360° (DEG)	
10	63.0	20,900	69.4	21,600											10
12	58.5	14,800	66.2	15,400	71.7	15,900									12
15	51.4	9,700	61.2	10,300	68.0	10,700	72.1	10,900							15
20	37.4	5,100	52.3	5,800	61.6	6,200	67.1	6,400	70.8	6,600					20
25	13.7	2,500	42.0	3,400	54.8	3,800	61.9	4,100	66.5	4,200	69.8	4,300	72.2	4,400	25
30	**		28.8	1,800	47.3	2,300	56.3	2,600	62.0	2,700	66.0	2,800	69.0	2,900	30
35			**		38.7	1,200	50.4	1,600	57.4	1,700	62.2	1,800	65.7	1,900	35
40							43.9	800	52.5	1,000	58.1	1,100	62.2	1,200	40
45													58.7	600	45

****MAXIMUM CAPACITY AT 0 DEGREE BOOM ANGLE**

BOOM LENGTH 30'		BOOM LENGTH 39'		BOOM LENGTH 50'		BOOM LENGTH 61'		BOOM LENGTH 72'		BOOM LENGTH 83'		BOOM LENGTH 94'	
LOAD ANGLE (DEG)	360° (LB)	LOAD ANGLE (DEG)	360° (DEG)	LOAD ANGLE (LB)	360° (DEG)	LOAD ANGLE (LB)	360° (DEG)	LOAD ANGLE (LB)	360° (DEG)	LOAD ANGLE (LB)	360° (DEG)	LOAD ANGLE (LB)	360° (DEG)
25.6	2,100	34.3	700										

USE THESE CHARTS WHEN ALL OUTRIGGER BEAMS ARE NOT IN EITHER THE MID OR FULLY EXTENDED POSITION





LIFTING CAPACITIES CAUTION: Do not use this specification sheet as a load rating chart. The format of data is not consistent with the machine chart and may be subject to change

**30' - 94' BOOM
SIDE STOW JIB ON FULLY EXTENDED OUTRIGGERS**

LOADED BOOM ANGLE (DEG)	32' OFFSETTABLE JIB									49' OFFSETTABLE JIB									LOADED BOOM ANGLE (DEG)
	0° OFFSET			15° OFFSET			30° OFFSET			0° OFFSET			15° OFFSET			30° OFFSET			
	LOAD RADIUS (REF) (FT)	REAR ONLY (LB)	360° (LB)	LOAD RADIUS (REF) (FT)	REAR ONLY (LB)	360° (LB)	LOAD RADIUS (REF) (FT)	REAR ONLY (LB)	360° (LB)	LOAD RADIUS (REF) (FT)	REAR ONLY (LB)	360° (LB)	LOAD RADIUS (REF) (FT)	REAR ONLY (LB)	360° (LB)	LOAD RADIUS (REF) (FT)	REAR ONLY (LB)	360° (LB)	
75	38	9,100*	9,100*	46	7,700*	7,500	52	5,900*	5,600	41	5,100*	5,100*	55	3,400*	3,400*	62	2,700*	2,700*	75
73	42	8,600*	8,600*	49	7,300*	6,600	55	5,800*	4,900	47	4,800*	4,800*	59	3,300*	3,300*	68	2,700*	2,700*	73
71	45	8,200*	8,200*	52	7,000*	5,800	58	5,600*	4,200	52	4,500*	4,500*	64	3,200*	3,200*	73	2,600*	2,600*	71
68	50	7,300	6,000	58	6,200*	4,500	63	5,100*	3,300	60	4,100*	4,100*	70	3,000*	3,000*	79	2,500*	2,500*	68
65	56	6,000	4,800	63	5,400	3,600	68	4,600*	2,600	66	3,800*	3,800*	76	2,900*	2,900*	84	2,500*	2,500*	65
62	61	5,000	3,900	68	4,400	2,700	73	4,100	2,000	71	3,600*	3,100	81	2,800*	2,600	88	2,400*	2,400*	62
59	66	4,200	3,200	73	3,600	1,900	77	3,500	1,500	77	3,400*	2,500	86	2,700*	2,100	93	2,400*	1,900	59
55	73	3,400	2,400	79	3,000	1,000	83	2,900	900	84	2,800	1,900	93	2,500	1,500	99	2,300*	1,300	55
51	79	2,800	1,700	85	2,400		88	2,400		91	2,200	1,400	99	2,000	1,100	105	1,900	800	51
47	86	2,300	1,200	91	2,000		94	1,900		100	1,800	900	106	1,600	700	110	1,500	600	47
43	92	1,900	800	97	1,600		99	1,500		109	1,400		112	1,200		116	1,200		43
38	100	1,400		103	1,100		105	1,100		116	1,000		119	900		122	800		38
32	106	900		109	800		110	800											32

NOTES FOR JIB CAPACITIES

- A. For all boom lengths less than the maximum with a jib erected, the rated loads are determined by boom angle only in the appropriate column.
- B. For boom angle not shown, use the capacity of the next lower boom angle.
- C. Listed radii are for extended main boom only.

ON TIRES

RADIUS (FT)	MAX BOOM LENGTH (FT)	BOOM STRAIGHT OVER REAR 0 TO 2 1/2 MPH
10	30	14,900
12	30	11,700
15	39	8,400
20	39	5,200
25	50	3,000
30	50	1,700

NOTES FOR ON TIRE CAPACITIES

- A. 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.
- B. The load should be restrained from swinging. NO ON TIRE OPERATION WITH JIB ERECTED.
- C. Without outriggers, never maneuver the boom beyond listed load radii for applicable tires to ensure stability.
- D. Creep speed is crane movement of less than 200'(61m) in a 30 minute period and not exceeding 1.0 mph (1.6 km/h).
- E. Refer to General Notes for additional information.

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" 6 X 19 OR 6 X 37 IWRC IPS PREFORMED RIGHT REGULAR LAY MINIMUM BREAKING STRENGTH - 17.9 TONS



General Notes | T340-1/T340-1XL Series

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 or 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, CIMA SAFETY MANUAL, APPLICABLE OSHA REGULATIONS, AND SOCIETY OF MECHANICAL ENGINEERS (ASME) SAFETY STANDINGS 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 J765A, SAE METHOD OF TEST FOR CRANE STRUCTURE J1063 AND APPLICABLE SAFETY CODE FOR CRANES, DERRICKS AND HOISTS, 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 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 OVER SIDE working position.

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.
9. Do not elevate the boom above 60° unless the boom is positioned in-line with the crane's chassis or the outrigger are extended. Failure to observe this warning may result in loss of stability.

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.)
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.
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 than 3' off the center line of the base boom section due to the effects of wind, inertia, or any combination of the two.
Use 2' off the center line of the base boom for a two section boom, 3' for a three section boom, or 4' 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 TRUCK CRANES 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.
15. Truck Cranes not equipped with equalizing (bogies) beams between the rear axles may not be used for lifting "on tires". Truck Cranes equipped with equalizing beams and rear air suspension should "dump" the air before lifting "on tires".

CLAMSHELL, MAGNET, AND CONCRETE BUCKET SERVICE

1. Maximum boom length for clamshell and magnet service is 50'.
2. Weight of clamshell or magnet, plus contents are not to exceed 6,000 lb 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.

TEREX Cranes
106-12th Street S.E.
Waverly, Iowa 50677-9466 USA

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WEB terex.com

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