



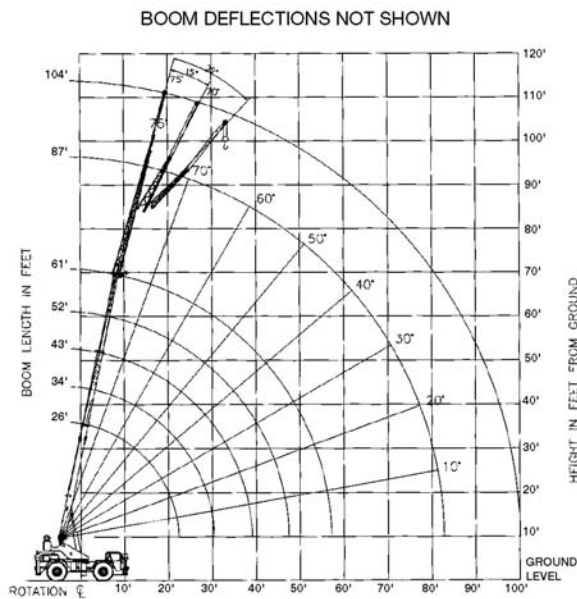
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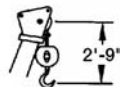
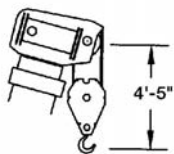
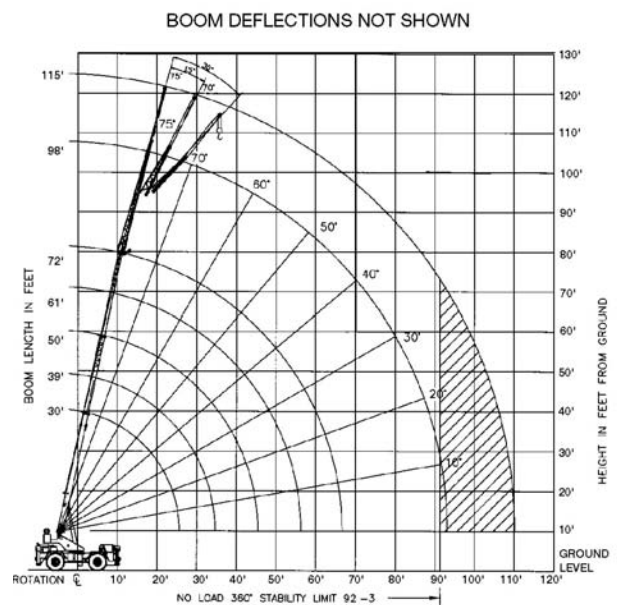
Range Diagram and Lifting Capacity | CD225

25 TON LIFTING CAPACITY

26' - 61' BOOM



30' - 72' BOOM

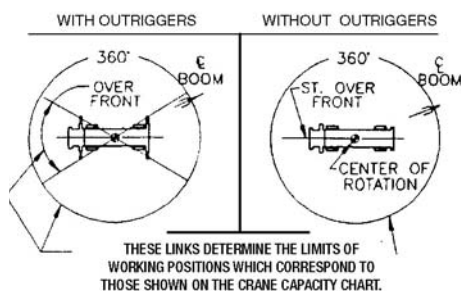


DIMENSIONS ARE FOR LARGEST FACTORY FURNISHED HOOK BLOCK AND HOOK & BALL, WITH ANTI-TWO BLOCK ACTIVATED

COUNTER WEIGHT	W/ AUX. WINCH 6,100 LB W/O AUX. WINCH 7,200 LB
BOOM LENGTH	26'-61'
OUTRIGGER SPREAD	14' 6"
STABILITY PERCENTAGE	ON OUTRIGGERS 85% ON TIRES 75%
PCSA CLASS	10-68

CRANE WORKING CONDITIONS

CRANE WORKING POSITIONS



REDUCTION IN MAIN BOOM CAPACITY

All jibs in stowed position 0 lb

HOOK BLOCK WEIGHTS

Hook & Ball	239 lb
Hook Block (2 Sheave)	680 lb
Hook Block (3 Sheave)	660 lb
Hook Block (4 Sheave)	660 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

ON OUTRIGGERS - FULLY EXTENDED 26'-61'

LOAD RADIUS (FT)	BOOM LENGTH 26'			BOOM LENGTH 34'			BOOM LENGTH 43'			BOOM LENGTH 52'			BOOM LENGTH 61'			LOAD RADIUS (FT)
	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)	360° (LB)	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)	360° (LB)	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)	360° (LB)	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)	360° (LB)	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)	360° (LB)	
10	58.7	50,000*	50,000*	66.3	45,300*	45,300*	71.5	42,900*	42,900*							10
12	53.3	44,000*	44,000*	62.5	40,900*	40,900*	68.7	38,600*	38,600*	72.5	36,900*	36,900*				12
15	44.4	36,100*	34,800*	56.6	35,900*	35,300*	64.3	33,600*	33,600*	69.0	32,100*	32,100*	72.2	29,600*	29,600*	15
20	23.9	25,600*	21,600	45.6	26,200*	22,100	56.5	26,500*	22,300	62.9	26,500*	22,400	67.2	24,200*	22,500	20
25	**			31.6	19,900*	14,900	48.0	20,300*	15,100	56.5	20,500*	15,200	62.0	20,500*	15,300	25
30				**			38.0	16,100*	11,100	49.5	16,400*	11,200	56.5	16,500*	11,300	30
35							24.7	13,100*	8,400	41.7	13,400*	8,600	50.6	13,500*	8,700	35
40							**			32.3	11,100*	6,800	44.1	11,300*	6,900	40
45										19.1	9,400*	5,400	36.7	9,600*	5,600	45
50										**			27.7	8,200*	4,500	50
55													13.9	7,000*	3,700	55

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

LOAD RADIUS (FT)	BOOM LENGTH 26'			BOOM LENGTH 34'			BOOM LENGTH 43'			BOOM LENGTH 52'			BOOM LENGTH 61'		
	OVER FRONT (LB)	360° (LB)	LOAD RADIUS (FT)	OVER FRONT (LB)	360° (LB)	LOAD RADIUS (FT)	OVER FRONT (LB)	360° (LB)	LOAD RADIUS (FT)	OVER FRONT (LB)	360° (LB)	LOAD RADIUS (FT)	OVER FRONT (LB)	360° (LB)	
21.9	22,800	1,800	29.5	15,900	10,900	38.5	11,400	7,000	447.5	8,600	4,800	56.5	6,700	3400	

ON TIRES

RADIUS (FT)	MAX BOOM LENGTH (FT)	14.00 X 24-24PR						20.50 X 25-24PR					
		STATIONARY			PICK & CARRY			STATIONARY			PICK & CARRY		
		STATIC		CREEP	2.5 MPH		2.5 MPH		STATIC		CREEP	2.5 MPH	
		360°	STRAIGHT OVER FRONT					360°	STRAIGHT OVER FRONT				
10	30	19,700*	33,000*	24,900*	20,900*	22,400	44,100*	35,600*	24,200*				
12	30	14,700*	28,700*	21,500*	18000*	16,600	31,400	30,900*	20,800*				
15	39	10,700*	21,000	17,600*	14,600*	11,600	20,500	20,500	17,000*				
20	39	6,500	12,800	12,800	10700*	6,700	12,000	12,000	12,000				
25	50	4,500	8,600	8600	8,200*	4,400	8,700	8,700	8,700				
30	50	3,300	6,400	6400	6400	3,400	6,500	6,500	6,500				
35	50	2,200	5,000	5000	5000	2,500	5,000	5,000	5,000				
40	61	1,300	4,000	4000	4000	1,700	3,800	3,800	3,800				
45	61		3,100	3100	3100	1,100	3,000	3,000	3,000				
50	61		2,400	2400	2400		2,400	2,400	2,400				
55	61		1,900	1,900	1,900		2,000	2,000	2,000				

Notes For On Tire Capacities:

- A. For Pick and Carry Operations, boom must be centered over the front of the machine.
- B. The load should be restrained from swinging.
- C. Creep Speed is crane movement of less than 200' (61 m) in a 30 minute period and not exceeding 1.0 mph (1.6 km/h).
- D. Refer to General Notes for additional information
- E. Without outriggers, never maneuver the boom beyond listed load radii for applicable tires used to ensure stability.



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

RECOMMENDED TIRE PRESSURE

TIRE SIZE	STATIONARY	CREEP	2 1/2 MPH	TRAVEL
14:00 x 24-24 PR	115 PSI	115 PSI	105 PSI	105 PSI
16:50 x 25-28 PR	115 PSI	115 PSI	95 PSI	95 PSI
20:50 x 25-24 PR	95 PSI	95 PSI	70 PSI	70 PSI

MAXIMUM PERMISSIBLE HOIST LINE LOAD

LINE PARTS	1	2	3	4	5	6	7
MAX. LOAD	9,080	18,160	27,240	36,320	45,400	54,480	65,560
BOOM HEAD	2	3-D	2-3	1-4-D	2-3-4	2-3-4-D	1-2-3-4
HOOK BLOCK	D	3	3-D	1-4	2-3-D	2-3-4	2-3-4-D

WIRE ROPE: 5/8 ROTATION RESISTANT COMPACTED STRAND, 18 X 19 OR 19 X 19 MINIMUM BREAKING STRENGTH - 22.7 TONS 5/8" 6 X 19 OR 6 X 37 IWRC IPS PERFORMED RIGHT REGULAR LAY MINIMUM BREAKING STRENGTH-17.9 TONS

SIDE STOW JIB ON FULLY EXTENDED OUTRIGGERS

LOADED BOOM ANGLE (DEG)	26' OFFSETTABLE JIB						43' OFFSETTABLE JIB						LOADED BOOM ANGLE (DEG)
	0° OFFSET		15° OFFSET		30° OFFSET		0° OFFSET		15° OFFSET		30° OFFSET		
	LOAD RADIUS (REF) (FT)	360° (LB)	LOAD RADIUS (REF) (FT)	360° (LB)	LOAD RADIUS (REF) (FT)	360° (LB)	LOAD RADIUS (REF) (FT)	360° (LB)	LOAD RADIUS (REF) (FT)	360° (LB)	LOAD RADIUS (REF) (FT)	360° (LB)	
75	20'-8"	13,100*	27'-5"	7,800*	32'-7"	5,600*	26'-7"	5,100*	35'-2"	3,400*	43'-3"	2,500*	75
73	23'-4"	11,900*	30'-4"	7,300*	35'-4"	5,400*	30'-3"	4,900*	38'-9"	3,200*	46'-11"	2,400*	73
71	26'-6"	10,200	33'-2"	6,900*	38'-0"	5,200*	33'-8"	4,700*	42'-4"	3,000*	50'-4"	2,400*	71
68	30'-10"	9,300	37'-3"	6,500*	42'-0"	5,000*	38'-11"	4,400*	47'-6"	2,800*	55'-2"	2,300*	68
65	34'-6"	8,300	41'-1"	6,100*	45'-8"	4,800*	43'-10"	4,000*	52'-2"	2,600*	59'-8"	2,300*	65
62	38'-5"	7,300	45'-0"	5,600*	49'-2"	4,600*	48'-6"	3,600*	56'-10"	2,500*	63'-10"	2,200*	62
59	42'-0"	6,400	48'-9"	5,400*	52'-5"	4,500*	53'-2"	3,300*	61'-5"	2,400*	67'-10"	2,200*	59
55	46'-8"	5,400	53'-6"	4,500	57'-1"	4,100	59'-3"	2,900*	66'-10"	2,300*	73'-1"	2,200*	55
51	51'-2"	4,400	57'-8"	3,800	60'-10"	3,500	65'-1"	2,700*	72'-1"	2,300*	77'-4"	2,100*	51
47	55'-2"	3,800	61'-7"	3,300	64'-3"	3,000	70'-4"	2,500*	77'-1"	2,200*	81'-1"	2,100*	47
43	58'-11"	3,300	65'-3"	2,800	67'-6"	2,700	75'-2"	2,300	81'-5"	2,100	84'-5"	2,000*	43
38	63'-7"	2,800	69'-6"	2,400	71'-5"	2,300	80'-7"	1,900	85'-10"	1,700	88'-3"	1,700	38
32	69'-1"	2,200	73'-8"	2,000	75'-0"	1,900	86'-3"	1,600	90'-4"	1,500	91'-11"	1,400	32
25	73'-9"	1,800	78'-2"	1,600			91'-11"	1,300	95'-0"	1,200			25
17	76'-11"	1,500	81'-1"	1,300			96'-8"	1,000	98'-0"	1,000			17
0	80'-10"	1,300					100'-3"	900					0

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 angles not shown, use the capacity of the next lower boom angle.
- C. Listed radii are for extended main boom only.



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

ON OUTRIGGERS - FULLY EXTENDED

LOAD RADIUS (FT)	BOOM LENGTH 26'			BOOM LENGTH 34'			BOOM LENGTH 43'			BOOM LENGTH 52'			BOOM LENGTH 61'			LOAD RADIUS (FT)
	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)	360° (LB)	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)	360° (LB)	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)	360° (LB)	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)	360° (LB)	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)	360° (LB)	
10	58.7	50,000*	50,000*	66.3	45,300*	45,300*	71.5	42,900*	42,900*							10
12	53.3	44,000*	44,000*	62.5	40,900*	40,900*	68.7	38,600*	38,600*	72.5	36,900*	36,900*				12
15	44.4	36,100*	34,800*	56.6	35,900*	35,300*	64.3	33,600*	33,600*	69.0	32,100*	32,100*	72.2	29,600*	29,600*	15
20	23.9	25,600*	21,600	45.6	26,200*	22,100	56.5	26,500*	22,300	62.9	26,500*	22,400	67.2	24,200*	22,500	20
25	**			31.6	19,900*	14,900	48.0	20,300*	15,100	56.5	20,500*	15,200	62.0	20,500*	15,300	25
30				**			38.0	16,100*	11,100	49.5	16,400*	11,200	56.5	16,500*	11,300	30
35							24.7	13,100*	8,400	41.7	13,400*	8,600	50.6	13,500*	8,700	35
40							**			32.3	11,100*	6,800	44.1	11,300*	6,900	40
45										19.1	9,400*	5,400	36.7	9,600*	5,600	45
50										**			27.7	8,200*	4,500	50
55													13.9	7,000*	3,700	55

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

BOOM LENGTH 26'			BOOM LENGTH 34'			BOOM LENGTH 43'			BOOM LENGTH 52'			BOOM LENGTH 61'		
LOAD RADIUS (FT)	OVER FRONT (LB)	360° (LB)	LOAD RADIUS (FT)	OVER FRONT (LB)	360° (LB)	LOAD RADIUS (FT)	OVER FRONT (LB)	360° (LB)	LOAD RADIUS (FT)	OVER FRONT (LB)	360° (LB)	LOAD RADIUS (FT)	OVER FRONT (LB)	360° (LB)
21.9	22,800	1,800	29.5	15,900	10,900	38.5	11,400	7,000	447.5	8,600	4,800	56.5	6,700	3400

ON TIRES

RADIUS (FT)	MAX BOOM LENGTH (FT)	14.00 X 24-24PR				20.50 X 25-24PR			
		STATIONARY		PICK & CARRY		STATIONARY		PICK & CARRY	
		STATIC	360°	STRAIGHT OVER FRONT	360°	STATIC	360°	STRAIGHT OVER FRONT	360°
10	30	19,700*	33,000*	24,900*	20,900*	22,400	44,100*	35,600*	24,200*
12	30	14,700*	28,700*	21,500*	18000*	16,600	31,400	30,900*	20,800*
15	39	10,700*	21,000	17,600*	14,600*	11,600	20,500	20,500	17,000*
20	39	6,500	12,800	12,800	10700*	6,700	12,000	12,000	12,000
25	50	4,500	8,600	8600	8,200*	4,400	8,700	8,700	8,700
30	50	3,300	6,400	6400	6400	3,400	6,500	6,500	6,500
35	50	2,200	5,000	5000	5000	2,500	5,000	5,000	5,000
40	61	1,300	4,000	4000	4000	1,700	3,800	3,800	3,800
45	61		3,100	3100	3100	1,100	3,000	3,000	3,000
50	61		2,400	2400	2400		2,400	2,400	2,400
55	61		1,900	1,900	1,900		2,000	2,000	2,000

Notes For On Tire Capacities:

- A. For Pick and Carry Operations, boom must be centered over the front of the machine.
- B. The load should be restrained from swinging.
- C. Creep Speed is crane movement of less than 200' (61 m) in a 30 minute period and not exceeding 1.0 mph (1.6 km/h).
- D. Refer to General Notes for additional information
- E. Without outriggers, never maneuver the boom beyond listed load radii for applicable tires used to ensure stability.



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

RECOMMENDED TIRE PRESSURE

TIRE SIZE	STATIONARY	CREEP	2 1/2 MPH	TRAVEL
14:00 x 24-24 PR	115 PSI	115 PSI	105 PSI	105 PSI
26:50 x 25-26 PR	115 PSI	115 PSI	95 PSI	95 PSI
20:50 x 25-24 PR	95 PSI	95 PSI	70 PSI	70 PSI

MAXIMUM PERMISSIBLE HOIST LINE LOAD

LINE PARTS	1	2	3	4	5	6	7
MAX. LOAD	9,080	18,160	27,240	36,320	45,400	54,480	65,560
BOOM HEAD	2	3-D	2-3	1-4-D	2-3-4	2-3-4-D	1-2-3-4
HOOK BLOCK	D	3	3-D	1-4	2-3-D	2-3-4	2-3-4-D

WIRE ROPE: 5/8 ROTATION RESISTANT COMPACTED STRAND, 18 X 19 OR 19 X 19 MINIMUM BREAKING STRENGTH - 22.7 TONS 5/8" 6 X 19 OR 6 X 37 IWRC IPS PERFORMED RIGHT REGULAR LAY MINIMUM BREAKING STRENGTH-17.9 TONS

SIDE STOW JIB ON FULLY EXTENDED OUTRIGGERS

LOADED BOOM ANGLE (DEG)	26' OFFSETTABLE JIB						43' OFFSETTABLE JIB						LOADED BOOM ANGLE (DEG)
	0° OFFSET		15° OFFSET		30° OFFSET		0° OFFSET		15° OFFSET		30° OFFSET		
	LOAD RADIUS (REF) (FT)	360° (LB)	LOAD RADIUS (REF) (FT)	360° (LB)	LOAD RADIUS (REF) (FT)	360° (LB)	LOAD RADIUS (REF) (FT)	360° (LB)	LOAD RADIUS (REF) (FT)	360° (LB)	LOAD RADIUS (REF) (FT)	360° (LB)	
75	20'-18"	13,100*	27'-5"	7,800*	32'-7"	5,600*	26'-7"	5,100*	35'-2"	3,400*	43'-3"	2,500*	75
73	23'-4"	11,900*	30'-4"	7,300*	35'-4"	5,400*	30'-3"	4,900*	38'-9"	3,200*	46'-11"	2,400*	73
71	26'-6"	10,200	33'-2"	6,900*	38'-0"	5,200*	33'-8"	4,700*	42'-4"	3,000*	50'-4"	2,400*	71
68	30'-10"	9,300	37'-3"	6,500*	42'-0"	5,000*	38'-11"	4,400*	47'-6"	2,800*	55'-2"	2,300*	68
65	34'-6"	8,300	41'-1"	6,100*	45'-8"	4,800*	43'-10"	4,000*	52'-2"	2,600*	59'-8"	2,300*	65
62	38'-5"	7,300	45'-0"	5,600*	49'-2"	4,600*	48'-6"	3,600*	56'-10"	2,500*	63'-10"	2,200*	62
59	42'-0"	6,400	48'-9"	5,400*	52'-5"	4,500*	53'-2"	3,300*	61'-5"	2,400*	67'-10"	2,200*	59
55	46'-8"	5,400	53'-6"	4,500	57'-1"	4,100	59'-3"	2,900*	66'-10"	2,300*	73'-1"	2,200*	55
51	51'-2"	4,400	57'-8"	3,800	60'-10"	3,500	65'-1"	2,700*	72'-1"	2,300*	77'-4"	2,100*	51
47	55'-2"	3,800	61'-7"	3,300	64'-3"	3,000	70'-4"	2,500*	77'-1"	2,200*	81'-1"	2,100*	47
43	58'-11"	3,300	65'-3"	2,800	67'-6"	2,700	75'-2"	2,300	81'-5"	2,100	84'-5"	2,000*	43
38	63'-7"	2,800	69'-6"	2,400	71'-5"	2,300	80'-7"	1,900	85'-10"	1,700	88'-3"	1,700	38
32	69'-1"	2,200	73'-8"	2,000	75'-0"	1,900	86'-3"	1,600	90'-4"	1,500	91'-11"	1,400	32
25	73'-9"	1,800	78'-2"	1,600			91'-11"	1,300	95'-0"	1,200			25
17	76'-11"	1,500	81'-1"	1,300			96'-8"	1,000	98'-0"	1,000			17
0	80'-10"	1,300					100'-3"	900					0

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 angles not shown, use the capacity of the next lower boom angle.
- C. Listed radii are for extended main boom only.



TEREX

General Notes | CD225 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 (bogie) 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.

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