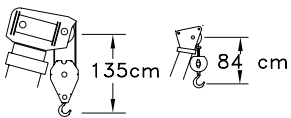




# Range Diagram and Lifting Capacity | RT335-1

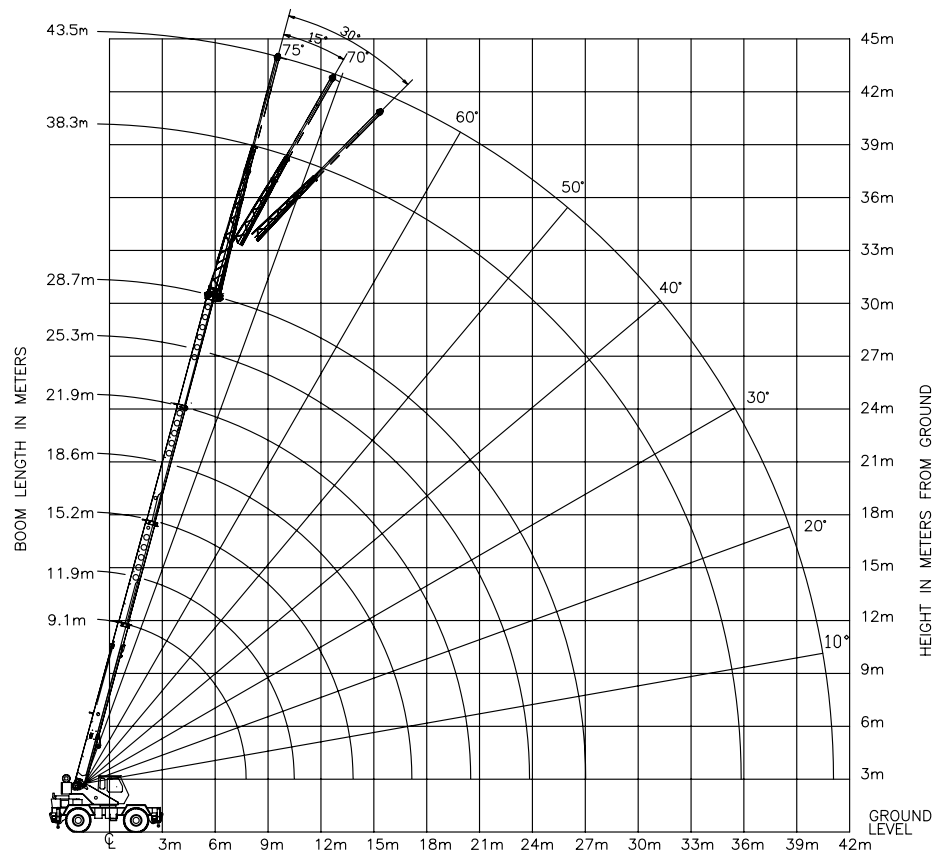
## 31.8 TON LIFTING CAPACITY

### RANGE DIAGRAM 9 m - 29 m BOOM

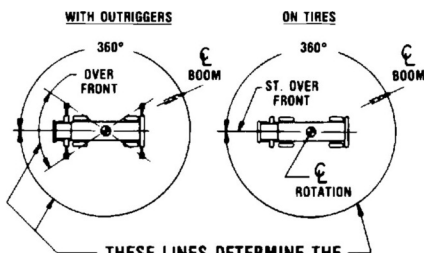


DIMENSIONS ARE FOR LARGEST TEREX FURNISHED HOOK BLOCK AND HOOK & BALL, WITH ANTI-TWO BLOCK ACTIVATED

COUNTER WEIGHT	W/AUX. WINCH 4032 kg W/O AUX. WINCH 4531 kg
BOOM LENGTH	9 m - 29 m
OUTRIGGER SPREAD	6.71 m
STABILITY PERCENTAGE	ON OUTRIGGERS 85% ON TIRES 75%
PCSA CLASS	10-150



### CRANE WORKING CONDITIONS



THESE LINES DETERMINE THE LIMITS OF WORKING POSITIONS WHICH CORRESPOND TO THOSE SHOWN ON THE CRANE CAPACITY CHART.

### ADJUSTMENT TO CAPACITY

All jib in stowed position	0 kg
No Aux. boom head sheave add	45 kg

### HOOK BLOCK WEIGHTS

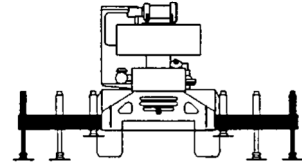
Hook and ball	104 kg
Hook block (3 sheave)	303 kg
Hook block (4 sheave)	313 kg

**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 (m)	BOOM LENGTH 9.23 m			BOOM LENGTH 11.89 m			BOOM LENGTH 15.24 m			LOAD RADIUS (m)
	LOADED BOOM ANGLE (DEG)	OVER FRONT (kg)	360' (kg)	LOADED BOOM ANGLE (DEG)	OVER FRONT (kg)	360' (kg)	LOADED BOOM ANGLE (DEG)	OVER FRONT (kg)	360' (kg)	
3.0	63.3	31750*	31750*	69.7	21050*	21050*				3.0
3.5	59.7	28200*	28200*	67.0	21050*	21050*				3.5
4.0	56.0	26150*	26150*	64.4	21050*	21050*	70.3	21050*	21050*	4.0
4.5	52.0	23350*	23350*	61.6	21050*	21050*	68.3	20150*	20150*	4.5
5.0	47.9	20650*	20650*	58.8	21000*	21000*	66.2	19250*	19250*	5.0
6.0	38.5	16650*	16650*	52.9	17000*	17000*	62.0	17250*	17250*	6.0
7.0	26.2	13750*	13750*	46.4	14150*	14150*	57.6	14400*	14400*	7.0
8.0				39.1	12000*	12000*	53.0	12250*	12250*	8.0
9.0				30.3	10300*	10300*	48.0	10550*	10550*	9.0
10.0				17.6	8950*	8950*	42.6	9200*	9200*	10.0
12.0							29.5	7200*	7200*	12.0

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





**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

LOAD RADIUS (m)	BOOM LENGTH 18.59 m			BOOM LENGTH 21.95 m			BOOM LENGTH 26.00 m			BOOM LENGTH 28.65 m			LOAD RADIUS (m)
	LOADED BOOM ANGLE (DEG)	OVER FRONT (kg)	360° (kg)	LOADED BOOM ANGLE (DEG)	OVER FRONT (kg)	360° (kg)	LOADED BOOM ANGLE (DEG)	OVER FRONT (kg)	360° (kg)	LOADED BOOM ANGLE (DEG)	OVER FRONT (kg)	360° (kg)	
4.5	72.4	17450*	17450*										4.5
5.0	70.7	16250*	16250*										5.0
6.0	67.4	15050*	15050*										6.0
7.0	64.0	13400*	13400*	68.2	11150*	11150*							7.0
8.0	60.5	12050*	12050*	65.4	10050*	10050*	68.8	9350*	9350*	71.4	7600*	7600*	8.0
9.0	53.9	10750*	10750*	62.5	9100*	9100*	66.4	8400*	8400*	69.3	6850*	6850*	9.0
10.0	53.1	9400*	9400*	59.4	8250*	8250*	63.9	7600*	7600*	67.1	6250*	6250*	10.0
12.0	44.7	7350*	7350*	53.1	7050*	7050*	58.7	6300*	6300*	62.7	5200*	5200*	12.0
14.0	34.9	5900*	5900*	46.2	6000*	6000*	53.1	5350*	5350*	58.1	4450*	4450*	14.0
16.0	21.4	4800*	4800*	38.3	4950*	4950*	47.2	4600*	4600*	53.2	3850*	3850*	16.0
18.0				28.6	4050*	4050*	40.6	4000*	4000*	47.9	3300*	3300*	18.0
20.0				13.4	3400*	3350	32.8	3500*	3450	42.2	2900*	2900*	20.0
22.0							22.9	2900	2800	35.8	2550*	2550*	22.0
24.0										28.1	2250*	2250*	24.0
26.0										17.5	2000	1950	26.0

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

BOOM LENGTH 9.23 m			BOOM LENGTH 11.89 m			BOOM LENGTH 15.24 m			BOOM LENGTH 18.59 m			BOOM LENGTH 21.95 m			BOOM LENGTH 26.00 m			BOOM LENGTH 28.65 m		
LOAD RADIUS (m)	OVER FRONT (kg)	360° (kg)	LOAD RADIUS (m)	OVER FRONT (kg)	360° (kg)	LOAD RADIUS (m)	OVER FRONT (kg)	360° (kg)	LOAD RADIUS (m)	OVER FRONT (kg)	360° (kg)	LOAD RADIUS (m)	OVER FRONT (kg)	360° (kg)	LOAD RADIUS (m)	OVER FRONT (kg)	360° (kg)	LOAD RADIUS (m)	OVER FRONT (kg)	360° (kg)
17.8	11850*	11850*	10.5	8300*	8300*	13.8	5800*	5800*	17.2	4250*	4250*	20.5	3200*	3150	23.9	2350	2300	27.2	1750	1700

Add 45.4 kg to the chart values if the AUXILLIARY BOOM HEAD SHEAVE is NOT ERECTED

**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 - MID POSITION**

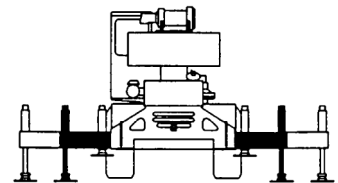
LOAD RADIUS (m)	BOOM LENGTH 9.23 m		BOOM LENGTH 11.89 m		BOOM LENGTH 15.24 m		BOOM LENGTH 18.59 m		BOOM LENGTH 21.95 m		BOOM LENGTH 26.00 m		BOOM LENGTH 28.65 m		LOAD RADIUS (m)
	LOADED BOOM ANGLE (DEG)	360° (kg)	LOADED BOOM ANGLE (DEG)	360° (kg)	LOADED BOOM ANGLE (DEG)	360° (kg)	LOADED BOOM ANGLE (DEG)	360° (kg)	LOADED BOOM ANGLE (DEG)	360° (kg)	LOADED BOOM ANGLE (DEG)	360° (kg)	LOADED BOOM ANGLE (DEG)	360° (kg)	
3.0	63.3	30700*	69.7	21050*											3.0
3.5	59.7	28200*	67.0	21050*											3.5
4.0	56.0	26150*	64.4	21050*	70.3	21050*									4.0
4.5	52.0	23350*	61.6	21050*	68.3	20150*	72.4	17450*							4.5
5.0	47.9	20650*	58.8	21000*	66.2	19250*	70.7	16250*							5.0
6.0	38.5	15050	52.9	15450	62.0	15750	67.4	15050*							6.0
7.0	26.2	11050	46.4	11500	7.6	11750	64.0	11900	68.2	11150*					7.0
8.0			39.1	8900	53.0	9200	60.5	9300	65.4	9400	68.8	9350*	71.4	7600*	8.0
9.0			30.3	7100	48.0	7400	56.9	7500	62.5	7600	66.4	7650	69.3	6850*	9.0
10.0			17.6	5700	42.6	6050	53.1	6200	59.4	6300	63.9	6350	67.1	6250*	10.0
12.0					29.5	4150	44.7	4350	53.1	4450	58.7	4500	62.7	4550	12.0
14.0						2950	34.9	3150	46.2	3250	53.1	3300	58.1	3350	14.0
16.0							24.4	2250	38.3	2350	47.2	2450	53.2	2500	16.0
18.0									28.6	1700	40.6	1800	47.9	1850	18.0
20.0									13.4	1200	32.8	1300	42.2	1350	20.0
22.0											22.9	900	35.8	950	22.0
24.0													28.1	650	24.0
26.0													17.5	350	26.0

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

BOOM LENGTH 9.23 m		BOOM LENGTH 11.89 m		BOOM LENGTH 15.24 m		BOOM LENGTH 18.59 m		BOOM LENGTH 21.95 m		BOOM LENGTH 26.00 m		BOOM LENGTH 28.65 m	
LOAD RADIUS (m)	360° (kg)	LOAD RADIUS (m)	360° (kg)	LOAD RADIUS (m)	360° (kg)	LOAD RADIUS (m)	360° (kg)	LOAD RADIUS (m)	360° (kg)	LOAD RADIUS (m)	360° (kg)	LOAD RADIUS (m)	360° (kg)
7.8	8750	10.5	5150	13.8	2950	17.2	1800	20.5	1050	23.9	550	27.2	

Add 45.4 kg to the chart values if the AUXILLIARY BOOM HEAD SHEAVE is NOT ERECTED

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

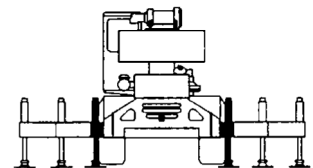
**ON OUTRIGGERS - RETRACTED**

LOAD RADIUS (m)	BOOM LENGTH 9.23 m		BOOM LENGTH 11.89 m		BOOM LENGTH 15.24 m		BOOM LENGTH 18.59 m		BOOM LENGTH 21.95 m		BOOM LENGTH 26.00 m		BOOM LENGTH 28.65 m		LOAD RADIUS (m)
	LOADED BOOM ANGLE (DEG)	360° (kg)	LOADED BOOM ANGLE (DEG)	360° (kg)	LOADED BOOM ANGLE (DEG)	360° (kg)	LOADED BOOM ANGLE (DEG)	360° (kg)	LOADED BOOM ANGLE (DEG)	360° (kg)	LOADED BOOM ANGLE (DEG)	360° (kg)	LOADED BOOM ANGLE (DEG)	360° (kg)	
3.0	63.3	23550	69.7	21050*											
3.5	59.7	17300	67.0	17650											
4.0	56.0	13450	64.4	13750	70.3	14000									
4.5	52.0	10750	61.6	11100	68.3	11350	72.4	11500							4.5
5.0	47.9	8800	58.8	9200	66.2	9450	71.7	9550							5.0
6.0	38.5	6200	52.9	6600	62.0	6850	67.4	6950							6.0
7.0	26.2	4450	46.4	4900	57.6	5150	64.0	5300	68.2	5350					7.0
8.0			39.1	3700	53.0	4000	60.5	4100	65.4	4200	68.8	4250	71.4	4300	8.0
9.0			30.3	2800	48.0	3100	56.9	3250	62.5	3350	66.4	3400	69.3	3450	9.0
10.0			17.6	2100	42.6	2400	53.1	2600	59.4	2700	63.9	2750	67.1	2800	10.0
12.0					29.5	1450	44.7	1600	53.1	1700	58.7	1800	62.7	1800	12.0
15.0							34.9	950	46.2	1050	53.1	1100	58.1	1150	15.0
16.0							21.4	400	38.3	550	47.2	650	53.2	700	16.0
18.0													47.9	0	18.0

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

BOOM LENGTH 9.23 m		BOOM LENGTH 11.89 m		BOOM LENGTH 15.24 m		BOOM LENGTH 18.59 m		BOOM LENGTH 21.95 m		BOOM LENGTH 26.00 m		BOOM LENGTH 28.65 m	
LOAD RADIUS (m)	360° (kg)	LOAD RADIUS (m)	360° (kg)	LOAD RADIUS (m)	360° (kg)	LOAD RADIUS (m)	360° (kg)	LOAD RADIUS (m)	360° (kg)	LOAD RADIUS (m)	360° (kg)	LOAD RADIUS (m)	360° (kg)
7.8	3400	10.5	1800	13.8	750	17.2							

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



Add 45.4 kg to the chart values if the AUXILLIARY BOOM HEAD SHEAVE is NOT ERECTED



**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

**SIDE STOW JIB ON FULLY EXTENDED OUTRIGGERS**

LOADED BOOM ANGLE (DEG)	9.68 m OFFSETTABLE JIB/NO PULL OUT INSTALLED						14.68 m OFFSETTABLE JIB/PULL OUT						LOADED BOOM ANGLE (DEG)
	0° OFFSET		15° OFFSET		30° OFFSET		0° OFFSET		15° OFFSET		30° OFFSET		
	LOAD RADIUS (REI) (m)	360° (kg)	LOAD RADIUS (REI) (m)	360° (kg)	LOAD RADIUS (REI) (m)	360° (kg)	LOAD RADIUS (REI) (m)	360° (kg)	LOAD RADIUS (REI) (m)	360° (kg)	LOAD RADIUS (REI) (m)	360° (kg)	
75	11.6	4050*	13.8	3400*	15.7	2650*	12.5	2250*	16.8	1500*	19.0	1200*	75
73	12.6	3850*	14.9	3300*	16.8	2600*	14.3	2100*	18.0	1450*	20.7	1150*	73
71	13.7	3650*	15.9	3150*	17.7	2500*	16.0	2000*	19.4	1400*	23.3	1150*	71
68	15.3	3500*	17.5	2750*	19.1	2250*	18.2	1800*	21.3	1300*	24.1	1100*	68
65	16.9	3000*	19.1	2400*	20.6	2050*	20.0	1700*	23.0	1250*	25.5	1050*	65
62	18.5	2600*	20.6	2150*	22.1	1850*	21.6	1550*	24.7	1200*	2.9	1050*	62
59	20.1	2300*	22.1	1950*	23.4	1700*	23.3	1450*	26.2	1150*	28.3	1000*	59
55	22.1	1950*	23.9	1700*	25.2	1500*	25.6	1350*	28.2	1100*	30.1	1000*	55
51	24.1	1700*	25.8	1500*	26.9	1350*	27.8	1300*	30.2	1050*	31.9	1000*	51
47	26.1	1450*	27.6	1350*	28.5	1200*	30.5	1200*	32.2	1050*	33.6	950*	47
43	28.1	1250*	29.4	1150*	30.1	1100*	33.1	1050*	34.1	950*	35.2	850*	43
38	30.4	1050*	31.5	1000*	31.9	950*	35.2	900*	36.3	800*	37.1	750*	38
32	32.3	900*	33.3	850*	33.5	800*	37.1	750*	38.5	700*	38.6	650*	32
25	34.3	700*	34.8	750*			39.3	600*	40.0	600*			25
17	35.8	600*	36.0	650									17
0	36.9	500*											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 angle 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 TIRES**

RADIUS (m)	MAX BOOM LENGTH (kg)	23.5R25-**				21.00 X 25-28PR				26.5 X 25-26 PR			
		STATIONARY		PICK & CARRY		STATIONARY		PICK & CARRY		STATIONARY		PICK & CARRY	
		360°	STRAIGHT OVER FRONT	CREEP	4.0 KPH	360°	STRAIGHT OVER FRONT	CREEP	4.0 KPH	360°	STRAIGHT OVER FRONT	CREEP	4.0 KPH
3.0	9.23	15300	28700*	21400*	17800*	14100	33750*	25650*	21700*	15750	29700*	22450*	18750*
3.5	9.23	12600	25100	19000*	15800*	12000	30200*	22900*	19300*	13150	26550*	19950*	16650*
4.0	9.23	9400	22200	17000*	14100*	9800	27250*	20600*	17300*	11200	23900*	17900*	14900*
4.5	11.89	7700	19200	15400*	12700*	7600	24400	18650*	15650*	9650	20900	16200*	13400*
5.0	11.89	6500	16100	14000*	11500*	6200	16850	16850	14200*	8200	17600	14750	12150*
6.0	11.89	4900	11000	11000	9600*	4600	10850	10850	10850	5850	12500	12400	10150
8.0	15.24	2600	6300	6300	6300	2500	6500	6500	6500	3750	6350	6350	6350
10.0	15.24	1700	4300	4300	4300	1550	4450	4450	4450	2300	4950	4950	4950
12.0	18.59	1000	3200	3200	3200	950	3200	3200	3200	1550	3750	3750	3750
14.0	18.59	600	2300	2300	2300	550	2350	2350	2350	1050	2800	2800	2800
16.0	21.95	0	1700	1700	1700		1850	1850	1850		2150	2150	2150
18.0	21.95		1300	1300	1300		1500	1500	1500		1700	1700	1700
20.0	26.00		1000	1000	1000		950	950	950		1300	1300	1300
22.0	26.00		700	700	700		700	700	700		1000	1000	1000

**RECOMMENDED TIRE PRESSURE kg/cm<sup>2</sup>**

TIRE SIZE	STATIONARY	CREEP	4 KPH	TRAVEL
23.5R25-**	9.61	9.61	9.61	5.34
21.00 x 25-28 PR	5.98	5.98	5.98	4.57
26.5 X25-26 PR	4.57	4.57	4.57	3.52

**Notes For On Tire Capacities:**

- A. For Pick and Carry operations, boom must be centered over the front 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 General Notes for additional information.

**MAXIMUM PERMISSIBLE HOIST LINE LOAD**

LINE PARTS	1	2	3	4	5	6	7	8
MAX. LOAD	4100	8200	12300	46400	20500	24600	28800	32800
WIRE ROPE: 16 mm ROTATION RESISTANT COMPACTED STRAND, 18X19 OR 19X19 MINIMUM BREAKING STRENGTH - 20593 kg 16 mm 6X19 or 6X37 IWRC IPS PERFORMED RIGHT REGULAR LAY MINIMUM BREAKING STRENGTH - 16238 kg								



# TEREX®

## General Notes | RT300 Series

### GENERAL

- 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.
- 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.
- 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 STANDARDS FOR CRANES.
- 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

- 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.
- 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.
- WORKING AREA** - Areas measured in a circular arc about the centerline of rotation as shown in the diagram.
- FREELY SUSPENDED LOAD** - Load hanging free with no direct external force applied except by the hoist rope.
- SIDE LOAD** - Horizontal force applied to the lifted load either on the ground or in the air.
- 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.
- BOOM SIDE OF CRANE** - The side of the crane over which the boom is positioned when in OVER SIDE working position.

### SET-UP

- Crane load ratings are based on the crane being leveled and standing on a firm, uniform supporting surface.
- 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.
- 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.
- Use of jibs, lattice-type boom extensions, or fourth section pullouts extended is not permitted for pick and carry operations.
- Consult appropriate section of the Operator's and Service Manual for more exact description of hoist line reeving.
- 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.
- Properly maintained wire rope is essential for safe crane operation. Consult Operator's Manual for proper maintenance and inspection requirements.
- 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.
- 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

- CRANE LOAD RATINGS MUST NOT BE EXCEEDED. DO NOT ATTEMPT TO TIP THE CRANE TO DETERMINE ALLOWABLE LOADS.
- When either radius or boom length, or both, are between listed values, the smaller of the two listed load ratings shall be used.
- Do not operate at longer radii than those listed on the applicable load rating chart (cross hatched areas shown on range diagrams.)
- 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.
- Power telescoping boom sections must be extended equally.
- 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.
- 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 (\*).
- Rated loads are based on freely suspended loads. No attempt shall be made to drag a load horizontally on the ground in any direction.
- 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 32 km/hr. The center of the lifted load must never be allowed to move more than 0.9m off the center line of the base boom section due to the effects of wind, inertia, or any combination of the two.  
\*Use 0.6m off the center line of the base boom for a two section boom, 0.9m for a three section boom, or 1.2m for a four section boom."
- 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.
- Load ratings are dependent upon the crane being maintained according to manufacturer's specifications.
- It is recommended that load handling devices, including hooks, and hook blocks, be kept away from boom head at all times.
- 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.
- Do not lift with outrigger beams positioned between the fully extended and intermediate (pinned) positions.
- 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

- Maximum boom length for clamshell and magnet service is 15.24 m.
- Weight of clamshell or magnet, plus contents are not to exceed 2721 kg 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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