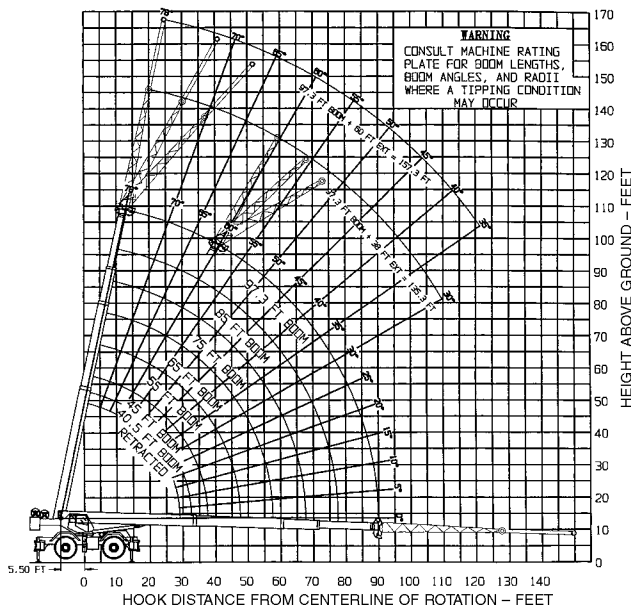




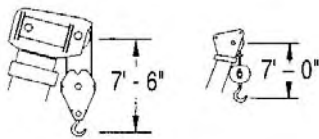
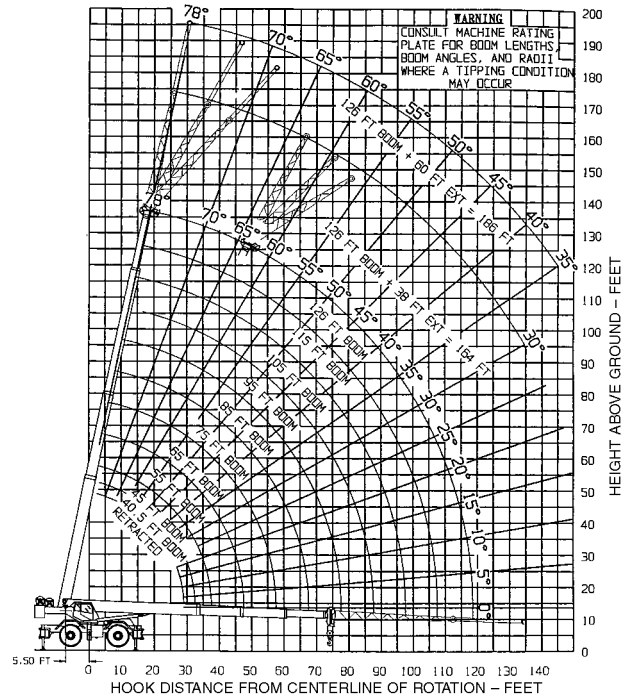
Range Diagram and Lifting Capacity | RT1000

100 TON LIFTING CAPACITY

40' - 97.3' POWERED BOOM: MODE 1



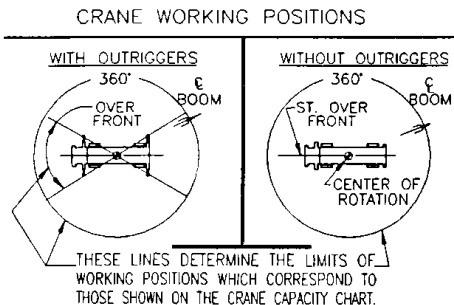
40' - 126' POWERED BOOM: MODE 2



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

COUNTER WEIGHT	24,250 LB
BOOM LENGTH	40'-97.3'
OUTRIGGER SPREAD	25' 2"
STABILITY PERCENTAGE	ON OUTRIGGERS 85% ON TIRES 75%
PCSA CLASS	10-430

CRANE WORKING CONDITIONS



REDUCTION IN MAIN BOOM CAPACITY

All jibs in stowed position 0 lb

HOOK BLOCK WEIGHTS

9.6 Hook & Ball	722 lb
20T Hook Block (1 Sheave)	678 lb
100T Hook Block (6 Sheave)	1,735 lb

**LIFTING CAPACITIES
40' - 97.3' BOOM: MODE 1**

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

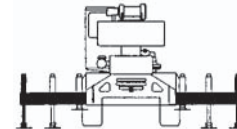
ON OUTRIGGERS - FULLY EXTENDED

LOAD RADIUS (FT)	BOOM LENGTH 40'		BOOM LENGTH 45'		BOOM LENGTH 55'		BOOM LENGTH 65'		BOOM LENGTH 75'		BOOM LENGTH 85'		BOOM LENGTH 97.3'		LOAD RADIUS (FT)	
	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)		
10	68	200,000	70	150,150	74	133,150	77	109,150							10	
12	65	144,150	68	141,150	72	132,150	75	102,150	77	96,150					12	
15	60	127,150	63	125,150	69	120,150	72	92,150	75	86,150	76	76,150			15	
20	51	105,150	56	102,150	63	98,150	67	78,150	71	73,150	73	64,150	75	46,150	20	
25	40	83,150	48	78,150	57	76,150	62	67,150	66	62,150	69	56,150	72	41,150	25	
30	26	67,150	38	64,150	50	62,150	57	57,150	62	53,150	66	48,150	69	36,150	30	
35			25	53,150	43	52,150	52	50,150	58	47,150	62	43,150	66	32,150	35	
40					34	41,450	46	41,350	53	39,150	58	39,150	62	29,150	40	
45					22	33,250	39	33,150	48	33,150	54	33,150	59	26,150	45	
50								31	27,150	42	27,150	49	27,150	56	23,150	50
55								20	22,550	36	22,550	45	22,550	52	21,150	55
60										29	18,850	40	18,850	48	18,850	60
65										19	15,850	34	15,850	44	15,950	65
70												27	13,450	39	13,450	70
75												18	11,350	34	11,450	75
80														28	9,650	80
85														21	8,150	85
90														9	6,150	90

MAXIMUM CAPACITY AT 0 DEGREE BOOM ANGLE

USE THESE CHARTS ONLY WHEN ALL OUTRIGGERS ARE FULLY EXTENDED

BOOM LENGTH 40'		BOOM LENGTH 45'		BOOM LENGTH 55'		BOOM LENGTH 65'		BOOM LENGTH 75'		BOOM LENGTH 85'		BOOM LENGTH 97.3'	
LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)
33.5	33,650	38.5	17,650	48.5	11,050	58.5	5,750	68.5	4,050	78.5	0		



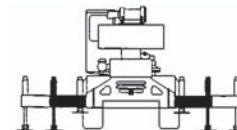
ON OUTRIGGERS - MID POSITION

LOAD RADIUS (FT)	BOOM LENGTH 40'		BOOM LENGTH 45'		BOOM LENGTH 55'		BOOM LENGTH 65'		BOOM LENGTH 75'		BOOM LENGTH 85'		BOOM LENGTH 97.3'		LOAD RADIUS (FT)	
	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)		
10	68	172,150	70	144,150	74	128,150	77	96,150							10	
12	65	141,150	68	136,150	72	126,150	75	93,150	77	86,150					12	
15	60	124,150	63	121,150	69	117,150	72	85,150	75	79,150	76	68,150			15	
20	51	85,850	56	85,550	63	85,450	67	74,150	71	69,150	73	59,150	75	38,150	20	
25	40	55,350	48	55,150	57	55,050	62	54,850	66	54,850	69	53,150	72	35,150	25	
30	26	39,250	38	39,150	50	39,050	57	38,850	62	38,850	66	38,850	69	32,150	30	
35			25	29,150	43	29,150	52	29,050	58	28,950	62	28,950	66	28,950	35	
40					34	22,350	46	22,350	53	22,250	58	22,250	62	22,250	40	
45					22	17,450	39	17,450	48	17,450	54	17,350	59	17,450	45	
50								31	13,750	42	13,750	49	13,750	56	13,750	50
55								20	10,700	36	10,850	45	10,850	52	10,850	55
60										29	8,550	40	8,550	48	8,550	60
65										19	6,550	34	6,650	44	6,650	65
70												27	4,950	39	5,050	70
75												18	3,650	34	3,650	75
80														28	2,450	80
85																85
90																90

MAXIMUM CAPACITY AT 0 DEGREE BOOM ANGLE

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

BOOM LENGTH 40'		BOOM LENGTH 45'		BOOM LENGTH 55'		BOOM LENGTH 65'		BOOM LENGTH 75'		BOOM LENGTH 85'		BOOM LENGTH 97.3'	
LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)
33.5	23,650	38.5	12,350	48.5	7,750								





**LIFTING CAPACITIES
40' - 97.3' BOOM: MODE 1**

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

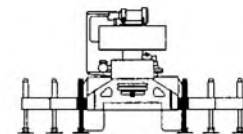
ON OUTRIGGERS - RETRACTED

LOAD RADIUS (FT)	BOOM LENGTH 40'		BOOM LENGTH 45'		BOOM LENGTH 55'		BOOM LENGTH 65'		BOOM LENGTH 75'		BOOM LENGTH 85'		BOOM LENGTH 97.3'		LOAD RADIUS (FT)	
	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)		
10	68	155,150	70	144,150	74	128,150	77	96,150							10	
12	65	105,750	68	105,350	72	105,150	75	93,150	77	86,150					12	
15	60	69,250	63	68,950	69	68,750	72	68,650	75	68,550	76	68,150			15	
20	51	41,550	56	41,350	63	41,150	67	41,050	71	40,950	73	40,950	75	38,150	20	
25	40	27,850	48	27,650	57	27,550	62	27,450	66	27,350	69	27,350	72	27,350	25	
30	26	19,650	38	19,550	50	19,450	57	19,250	62	19,250	66	19,250	69	19,250	30	
35			25	14,050	43	14,050	52	13,950	58	13,850	62	13,850	66	13,850	35	
40					34	10,150	46	10,050	53	10,050	58	9,950	62	9,950	40	
45								39	7,150	48	7,150	54	7,150	59	7,150	45
50								31	4,950	42	4,850	49	4,850	56	4,850	50
55										36	3,150	45	3,150	52	3,150	55
60														48	1,650	60
65																65
70																70
75																75
80																80
85																85
90																90

MAXIMUM CAPACITY AT 0 DEGREE BOOM ANGLE

BOOM LENGTH 40'		BOOM LENGTH 45'		BOOM LENGTH 55'		BOOM LENGTH 65'		BOOM LENGTH 75'		BOOM LENGTH 85'		BOOM LENGTH 97.3'	
LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)
33.5	16,550	38.5	8,650	48.5	5,450								

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



OPERATION ON OUTRIGGERS

1. Read and understand all warnings and instructional notes.
2. Rated loads for fully extended outriggers do not exceed 85% of the tipping load as determined by SAE crane stability test Code J765.
3. The tires shall be raised clear of the ground and free of crane weight before operating boom or lifting loads.
4. All outrigger beams must be extended to the same length; fully extended, mid position or fully retracted.
5. Rated lifting capacities above the bold line are based on the machine's hydraulic or structural competence and not on machine stability. Rated lifting capacities below the bold line are based on the machine's stability.
6. Rated lifting capacities include the weight of hook block, slings and auxiliary lifting devices. Their weight must be subtracted from the listed rated lifting capacity to obtain the net load to be lifted.
7. When lifting over the lattice extension the weight of any hook block, slings and auxiliary lifting devices at the main boom head must be added to the load.
8. When the lattice extension is erected but unused add three (3) times the weight of any hook block, slings and auxiliary lifting devices at the extension head to the load. Outriggers must be in the fully extended position when lifting at the main boom head with lattice extension erected.
9. Extension rated lifting capacity is based on loaded main boom angle with reference to horizontal, regardless of main boom length. Reference radius is for fully extended main boom. For angles not shown, use the next lower boom angle to determine the allowable capacity.
10. Do not tip machine to determine allowable lifting capacities.
11. Handling of personnel is not permitted unless it is the least hazardous way to complete the job. Handling of personnel is only permitted in accordance with the Terex Cranes, Inc. Policy Guide and OSHA 1926-550.
12. Use of pile driving/extracting equipment is approved under the limitations and operating requirements stated in Terex Cranes, Inc. "Pile Driving/Extracting Policy" Guide.

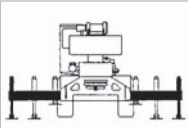
LIFTING CAPACITIES **CAUTION:** Do not use this specification sheet as a load rating chart. The format of data is not consistent with the machine chart and by be subject to change

40' - 126' BOOM: MODE 2

ON OUTRIGGERS - FULLY EXTENDED

LOAD RADIUS (FT)	40' BOOM		45' BOOM		55' BOOM		65' BOOM		75' BOOM		85' BOOM		95' BOOM		105' BOOM		115' BOOM		126' BOOM	
	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)	LOADED BOOM ANGLE (DEG)	360° (LB)
10	68	200,000	70	59,150	74	59,150	77	59,150												
12	65	144,150	68	59,150	72	59,150	75	59,150	77	59,150										
15	60	127,150	63	59,150	69	59,150	72	59,150	75	59,150	76	59,150	78	59,150						
20	51	105,150	56	59,150	63	59,150	67	59,150	71	59,150	73	59,150	75	59,150	76	56,150	78	42,150		
25	40	83,150	48	59,150	57	59,150	62	59,150	66	59,150	69	56,150	72	52,150	73	49,150	75	40,150	76	31,150
30	26	67,150	38	59,150	50	59,150	57	56,150	62	53,150	66	48,150	68	45,150	71	43,150	72	34,150	74	27,150
35			25	53,150	43	52,150	52	48,150	58	46,150	62	42,150	65	39,150	68	37,150	70	30,150	72	24,150
40					34	42,850	46	42,150	53	39,150	58	37,150	62	35,150	65	33,150	67	26,150	69	22,150
45					22	34,550	39	34,950	48	34,150	54	33,150	58	31,150	62	29,150	64	23,150	67	18,150
50							31	28,850	42	29,150	49	29,150	55	28,150	58	26,150	61	21,150	64	16,150
55							20	24,150	36	24,450	45	24,750	51	25,150	55	24,150	59	19,150	62	15,150
60									29	20,750	40	21,050	47	21,250	52	21,150	56	17,150	59	14,150
65									19	17,750	34	18,050	42	18,250	48	18,350	52	15,150	56	13,150
70											27	15,550	37	15,750	44	15,850	49	14,150	53	12,150
75											18	13,350	32	13,650	40	13,750	46	13,150	51	11,150
80													25	11,850	35	11,950	42	11,150	47	11,150
85													17	10,250	30	10,350	38	10,150	44	9,150
90															24	9,050	34	9,250	41	8,150
95															16	7,850	29	8,050	37	7,150
100																	23	6,950	33	6,150
105																	15	6,050	29	6,050
110																			23	5,250

USE THESE CHARTS ONLY WHEN ALL OUTRIGGERS ARE FULLY EXTENDED



MAXIMUM CAPACITY AT 0 DEGREE BOOM ANGLE

BOOM LENGTH 40'		BOOM LENGTH 45'		BOOM LENGTH 55'		BOOM LENGTH 65'		BOOM LENGTH 75'		BOOM LENGTH 85'		BOOM LENGTH 97.3'		BOOM LENGTH 105'		BOOM LENGTH 115'		BOOM LENGTH 126'	
LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)
33.5	33,650	38.5	17,650	48.5	11,450	58.5	8,050	68.5	4,550	78.5	3,450								

OPERATION ON OUTRIGGERS

1. Read and understand all warnings and instructional notes.
2. Rated loads for fully extended outriggers do not exceed 85% of the tipping load as determined by SAE crane stability test Code J765.
3. The tires shall be raised clear of the ground and free of crane weight before operating boom or lifting loads.
4. All outrigger beams must be extended to the same length; fully extended, mid position or fully retracted,
5. Rated lifting capacities above the bold line are based on the machine's hydraulic or structural competence and not on machine stability. Rated lifting capacities below the bold line are based on the machine's stability,
6. Rated lifting capacities include the weight of hook block, slings and auxiliary lifting devices. Their weight must be subtracted from the listed rated lifting capacity to obtain the net load to be lifted,
7. When lifting over the lattice extension the weight of any hook block, slings and auxiliary lifting devices at the main boom head must be added to the load.
8. When the lattice extension is erected but unused add three (3) times the weight of any hook block, slings and auxiliary lifting devices at the extension head to the load. Outriggers must be in the fully extended position when lifting at the main boom head with lattice extension erected.
9. Extension rated lifting capacity is based on loaded main boom angle with reference to horizontal, regardless of main boom length, Reference radius is for fully extended main boom. For angles not shown, use the next lower boom angle to determine the allowable capacity.
10. Do not tip machine to determine allowable lifting capacities.
11. Handling of personnel is not permitted unless it is the least hazardous way to complete the job. Handling of personnel is only permitted in accordance with the Terex Cranes, Inc. Policy Guide and OSHA 1926-550.
12. Use of pile driving/extracting equipment is approved under the limitations and operating requirements stated in Terex Cranes, Inc. "Pile Driving/Extracting Policy" Guide.



LIFTING CAPACITIES
40' - 97.3' BOOM: MODE 1

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

SIDE STOW JIB ON FULLY EXTENDED OUTRIGGERS

38' OFFSETTABLE JIB/NO PULL OUT INSTALLED									60' OFFSETTABLE JIB/PULL OUT RETRACTED								
2° OFFSET			17° OFFSET			30° OFFSET			2° OFFSET			17° OFFSET			30° OFFSET		
LOADED BOOM ANGLE (DEG)	LOAD RADIUS (REF) (FT)	360° (LB)	LOADED BOOM ANGLE (DEG)	LOAD RADIUS (REF) (FT)	360° (LB)	LOADED BOOM ANGLE (DEG)	LOAD RADIUS (REF) (FT)	360° (LB)	LOADED BOOM ANGLE (DEG)	LOAD RADIUS (REF) (FT)	360° (LB)	LOADED BOOM ANGLE (DEG)	LOAD RADIUS (REF) (FT)	360° (LB)	LOADED BOOM ANGLE (DEG)	LOAD RADIUS (REF) (FT)	360° (LB)
78	25	16,150							78	35	7,650						
77	30	15,150							76	40	7,150						
75	35	13,650	78	35	9,750				74	45	6,850	79	45	5,550			
73	40	12,550	77	40	9,050				72	50	6,550	77	50	5,250			
70	45	11,650	74	45	8,550	78	45	7,250	70	55	6,250	75	55	5,050			
68	50	10,850	72	50	8,050	75	50	6,950	68	60	5,950	73	60	4,750	78	60	3,850
66	55	10,150	70	55	7,650	73	55	6,650	65	65	5,550	71	65	4,550	76	65	3,750
63	60	9,450	67	60	7,250	70	60	6,350	63	70	5,450	68	70	4,350	72	70	3,650
60	65	8,750	64	65	6,850	67	65	6,150	61	75	5,250	66	75	4,150	70	75	3,550
57	70	8,250	61	70	6,550	64	70	5,950	59	80	5,150	64	80	3,950	68	80	3,450
55	75	7,750	59	75	6,350	61	75	5,750	56	85	4,950	62	85	3,850	66	85	3,350
52	80	7,250	56	80	6,050	59	80	5,550	54	90	4,850	59	90	3,650	63	90	3,150
49	85	6,850	53	85	5,850	56	85	5,450	52	100	4,550	55	100	3,450	58	100	3,050
46	90	6,250	50	90	5,650	52	90	5,250	44	110	4,150	49	110	3,150	53	110	2,950
40	100	5,350	44	100	5,150	46	100	5,150	39	120	3,750	43	120	3,050	46	120	2,850
32	110	4,350	36	110	4,650	38	110	4,650	32	130	3,250	37	130	2,850	39	130	2,750
23	120	3,650	26	120	3,850	26	120	3,950									

Notes For Jib Capacities:

A. Reference load radius is for 135.3' (97.3' boom + 38' boom extension) or 157.3' (97.3' boom + 60' boom extension) booms only. For boom lengths that are less, use boom angles only.
 B. Minimum boom angle (Deg) for indicated boom length (no load) is -2'. Maximum boom length (Feet) at -2 degree boom angle (no load) is 65'. for 135.3' boom, 55', for 157.3' boom.

LIFTING CAPACITIES
40' - 126' BOOM; MODE 2

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

SIDE STOW JIB ON FULLY EXTENDED OUTRIGGERS

38' OFFSETTABLE JIB/NO PULL OUT INSTALLED									60' OFFSETTABLE JIB/PULL OUT RETRACTED								
2° OFFSET			17° OFFSET			30° OFFSET			2° OFFSET			15° OFFSET			30° OFFSET		
LOADED BOOM ANGLE (DEG)	LOAD RADIUS (REF) (FT)	360° (LB)	LOADED BOOM ANGLE (DEG)	LOAD RADIUS (REF) (FT)	360° (LB)	LOADED BOOM ANGLE (DEG)	LOAD RADIUS (REF) (FT)	360° (LB)	LOADED BOOM ANGLE (DEG)	LOAD RADIUS (REF) (FT)	360° (LB)	LOADED BOOM ANGLE (DEG)	LOAD RADIUS (REF) (FT)	360° (LB)	LOADED BOOM ANGLE (DEG)	LOAD RADIUS (REF) (FT)	360° (LB)
77	40	11,350							77	45	7,250						
75	45	10,650							76	50	6,950						
74	50	10,050	77	50	8,850				75	55	6,750						
72	55	9,450	75	55	8,550	77	55	6,950	73	60	6,450	77	60	5,150			
70	60	8,950	73	60	8,150	75	60	6,650	72	65	6,250	76	65	5,050			
68	65	8,450	72	65	7,850	74	65	6,550	70	70	5,850	74	70	4,750	77	70	3,850
67	70	7,950	70	70	7,450	72	70	6,350	68	75	5,650	72	75	4,550	76	75	3,750
65	75	7,550	68	75	7,050	70	75	6,150	67	80	5,450	71	80	4,350	74	80	3,650
63	80	7,150	66	80	6,650	68	80	5,950	65	85	5,350	69	85	4,250	72	85	3,450
61	85	6,750	64	85	6,350	66	85	5,850	64	90	5,250	67	90	4,050	70	90	3,350
59	90	6,350	62	90	6,050	63	90	5,650	60	100	4,850	64	100	3,850	67	100	3,250
54	100	5,550	57	100	5,450	59	100	5,350	56	110	4,350	60	110	3,550	63	110	3,150
49	110	4,850	52	110	4,750	54	110	5,050	52	120	3,850	56	120	3,350	59	120	2,850
43	120	4,050	46	120	4,150	48	120	4,650	47	130	3,350	52	130	3,050	54	130	2,450
37	130	3,150	40	130	3,550	42	130	3,950	42	140	2,850	41	140	2,850	49	140	2,150
			33	140	2,350	34	140	2,450	37	150	2,350	35	150	2,550	43	150	1,850
															36	160	1,550

Notes For Jib Capacities:

A. Reference load radius is for 164 ft. (126 ft. boom + 38' boom extension) or 186' (126' boom + 60' boom extension) booms only. For boom lengths that are less, use boom angles only.
 B. Minimum boom angle (Deg) for indicated boom length (no load) is -2'. Maximum boom length (Feet) at -2 degree boom angle (no load) is 65'.



**LIFTING CAPACITIES
40' - 97.3' BOOM: MODE 1**

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

ON TIRES-2 1/2 MPH, BOOM OVER FRONT

LOAD RADIUS (FT)	40' BOOM		45' BOOM		55' BOOM		65' BOOM		75' BOOM		85' BOOM	
	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)
10	70	55,350	73	54,550	76	53,150						
12	67	47,750	70	47,150	74	46,050	77	45,050				
15	62	39,050	66	38,550	71	37,650	74	36,950	77	36,250		
20	53	28,950	58	28,550	65	27,950	69	27,450	73	27,450	75	26,950
25	42	21,150	50	21,150	59	21,150	65	21,150	69	20,850	72	20,550
30			40	14,850	52	14,850	59	14,850	64	14,850	68	14,850
35					45	10,550	54	10,550	60	10,550	64	10,550
40							49	7,550	56	7,550	61	7,550
45							42	5,250	51	5,250	57	5,250
50									45	3,450	52	3,450
55											48	1,950

ON TIRES-CREEP SPEED, BOOM OVER FRONT

LOAD RADIUS (FT)	40' BOOM		45' BOOM		55' BOOM		65' BOOM		75' BOOM		85' BOOM	
	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)
10	70	64,850	73	63,950	76	62,450						
12	67	56,150	70	55,550	74	54,150	77	53,050				
15	62	46,350	66	45,750	71	44,750	74	43,850	77	43,150		
20	53	31,450	58	31,450	65	31,450	69	31,450	73	31,450	75	31,450
25	42	21,150	50	21,150	59	21,150	65	21,150	69	21,150	72	21,150
30			40	14,850	52	14,850	59	14,850	64	14,850	68	14,850
35					45	10,550	54	10,550	60	10,550	64	10,550
40							49	7,550	56	7,550	61	7,550
45							42	5,250	51	5,250	57	5,250
50									45	3,450	52	3,450
55											48	1,950

ON TIRES-STATIC, BOOM +/- 6 DEGREES OVER FRONT

LOAD RADIUS (FT)	40' BOOM		45' BOOM		55' BOOM		65' BOOM		75' BOOM		85' BOOM	
	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)
10	70	83,850	73	82,750	76	80,750						
12	67	73,150	70	72,250	74	70,650	77	67,750				
15	62	51,850	66	51,850	71	51,850	74	51,850	77	51,850		
20	53	31,450	58	31,450	65	31,450	69	31,450	73	31,450	75	31,450
25	42	21,150	50	21,150	59	21,150	65	21,150	69	21,150	72	21,150
30			40	14,850	52	14,850	59	14,850	64	14,850	68	14,850
35					45	10,550	54	10,550	60	10,550	64	10,550
40							49	7,550	56	7,550	61	7,550
45							42	5,250	51	5,250	57	5,250
50									45	3,450	52	3,450
55											48	1,950

ON TIRES-STATIC, 360 DEGREE ROTATION

LOAD RADIUS (FT)	40' BOOM		45' BOOM		55' BOOM		65' BOOM		75' BOOM		85' BOOM	
	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)	LOADED BOOM ANGLE (DEG)	OVER FRONT (LB)
10	70	59,150	73	58,750	76	58,150						
12	67	50,450	70	50,250	74	49,750	77	49,350				
15	62	40,650	66	40,450	71	40,150	74	39,850	77	39,650		
20	53	29,450	58	29,350	65	29,150	69	28,950	73	28,750	75	28,650
25	42	20,450	50	20,450	59	20,450	65	20,450	69	20,450	72	20,450
30			40	14,150	52	14,150	59	14,150	64	14,150	68	14,150
35					45	9,950	54	9,950	60	9,950	64	9,950
40							49	6,950	56	6,950	61	6,950
45							42	4,650	51	4,650	57	4,650
50									45	2,850	52	2,850
55											48	1,450

OPERATION ON OUTRIGGERS

1. Read and understand all warnings and instructional notes.
2. Crane lifting capacities on tires do not exceed 75% of the tipping load.
3. Crane lifting capacities on tires depend on the tire capacity, condition of the tires and tire air pressure. Tires must be inflated to the recommended pressure before lifting.
4. Crane lifting capacities require lifting from main boom head only on a smooth and level surface.
5. Rated lifting capacities above the bold line are based on the machine's hydraulic or structural competence and not on machine stability. Rated lifting capacities below the bold line are based on the machine's stability.
6. Rated lifting capacities include the weight of hook block, slings and auxiliary lifting devices. Their weight must be subtracted from the listed rated lifting capacity to obtain the net load to be lifted.
7. For Pick and Carry Operations, the boom must be centered over the front of the machine, the mechanical swing lock engaged and the load must be restrained from swinging.
8. Do not travel with boom extension erected.
9. Creep: motion less than 200' in a 30 minute period and not exceeding one mph.
10. Maximum recommended boom angle on tires is 73° without load.
11. Lifting loads with erected boom extension is neither intended nor approved.
12. Handling of personnel from the boom is neither intended nor approved.
13. Operating pile driving/extracting equipment on tires is neither intended nor approved.

RECOMMENDED TIRE PRESSURE

TIRE SIZE	STATIONARY	CREEP	2 1/2 MPH	TRAVEL
29.5 x 29-34 PR	75 PSI	75 PSI	75 PSI	75 PSI
32.25 x 29-26 PR	50 PSI	50 PSI	50 PSI	50 PSI

MAXIMUM PERMISSIBLE HOIST LINE LOAD

LINE PARTS	1	2	3	4	5	6	7	8	9	10	11	12
MAIN & AUX. HOIST	16,800	33,600	50,400	67,200	84,000	100,800	117,600	134,400	151,200	168,000	184,800	200,000
WIRE ROPE	3/4" 6 X 37, IPS, IWRC PREFORMED RIGHT REGULAR LAY MINIMUM BREAKING STRENGTH - 29.4 TONS											



General Notes | RT1000

1. This machine meets the requirements of ANSI B30.5, PCSA #4. The upper, lower, boom and jib structures have been tested per SAE J-1063. Machine stability has been tested per SAE J-765. This machine also conforms to the Occupational Safety and Health Administration (OSHA), United States Department of Labor, in effect at the time of manufacture.
2. Crane lifting capacities shown are for this machine as originally manufactured and equipped by Terex Cranes, Inc. The lifting capacities only apply when all the instructions in the RT1000 Crane Data Manual are rigidly followed. Modifications to the machine or use of equipment other than that specified can result in a reduction of capacity.
3. If improperly operated or maintained, this machine can be hazardous. Operation and maintenance of this machine must be in compliance with the information in the Operators, Shop, Parts and Safety Manuals furnished. If these manuals are missing, obtain replacements through Terex Cranes, Inc.
4. Reduced crane lifting capacities for the particular job shall be established by the user with due allowances for adverse operating conditions. These conditions include the supporting surface, pendulum action of the load, jerking or sudden stops of the load and other factors affecting stability, two machine lifts, electrical wires, adverse weather, wind hazardous surroundings, experience of personnel, etc.
5. Crane lifting capacities are based on freely suspended loads with machine leveled and standing on a firm, uniform supporting surface. Depending on the nature of the supporting surface, it may be necessary to have structural supports under the outrigger floats to distribute the float load and insure that the ground bearing capacity of the supporting surface is not exceeded. No attempt shall be made to move a load horizontally on the ground in any direction.
6. Side loading of the machine and load swing out may cause structural failure or machine tip over. Side loads may be generated by: Lifting when the level, dragging a load, sudden accelerating or deceleration in swing, wind forces on the load and boom structure, pushing or pulling a load.
7. Loaded boom angles at specified boom lengths give only an approximation of the operating radius. The boom angle before loading should be greater to account for boom deflection increasing the radius as the load is lifted.
8. Powered boom sections must be extended and retracted equally.
9. Rated lifting capacities are based on correct reeving. Deduction must be made for excessive reeving. Any reeving over the minimum required (see wire rope strength table) is considered excessive and must be accounted for. Use working range diagram to estimate the extra feet of wire rope, then deduct one pound for each foot of excessive wire rope before attempting to lift a load.
10. Positioning or operating at a radii or boom length beyond the maximums or minimums shown is neither intended or approved.
11. When either boom length or radius or both are between values listed, the next smallest rated lifting capacity at either the next larger or next longer or shorter boom length shall be used.
12. Positioning or operation of lattice extension or jib at boom angles beyond the maximums or minimums shown is neither intended or approved.
13. It is safe to attempt to telescope any load within the limits of the rating chart. The maximum load which may be telescoped is limited by hydraulic pressure, boom angle and powered boom sections lubrication.

DEFINITIONS

1. **RATED LIFTING CAPACITY** - The total suspended load, including the weight of material and the load handling material, that the machine can lift under ideal conditions at a given boom length, boom angle and load radius.
2. **LOAD RADIUS** - The horizontal distance measured between the center of rotation and the hoist load line or tackle with the load applied.
3. **LOADED BOOM ANGLE** - The angle between the longitudinal centerline of the boom base section and the horizontal after lifting the rated load at the rated load radius.
4. **BOOM POINT ELEVATION** - The vertical distance measured between the ground and the boom point sheaves.
5. **FREELY SUSPENDED LOAD** - Lifted load hanging free with no direct external force applied except by the hoist line.
6. **SIDE LOAD** - Horizontal force applied to the lifted load either on the ground or in the air.
7. **WORK AREAS** - Area measured in a circular arc about the center line of rotation as shown in the "Area of Operation" diagram.
8. **FULLY EXTENDED OUTRIGGERS** - All outrigger beams extended to maximum speed and all floats down and set.
9. **MID POSITION OUTRIGGERS** - All outrigger beams extended to the mid position positive stops and with all floats down and set.
10. **RETRACTED OUTRIGGERS** - All outrigger beams not extended and all floats down and set.