



RT1000

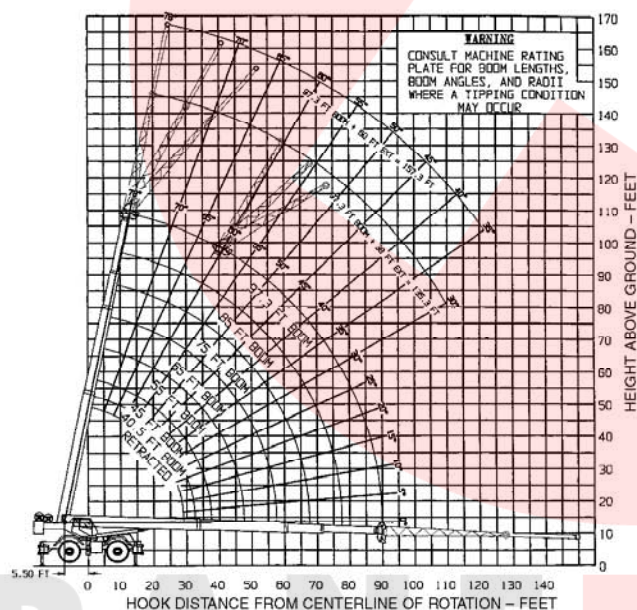
rough terrain crane
100 ton capacity

range diagrams & lifting capacities

RANGE DIAGRAMS

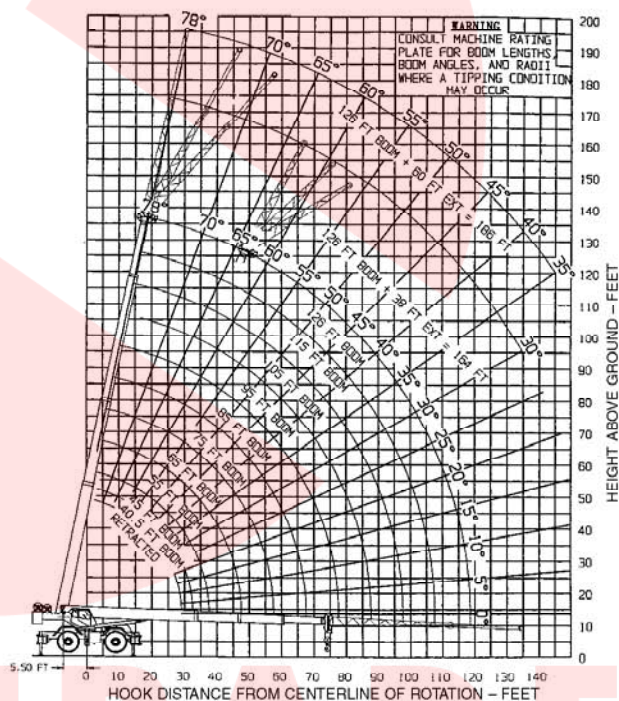
40' - 97.3' FULL POWERED BOOM

MODE 1



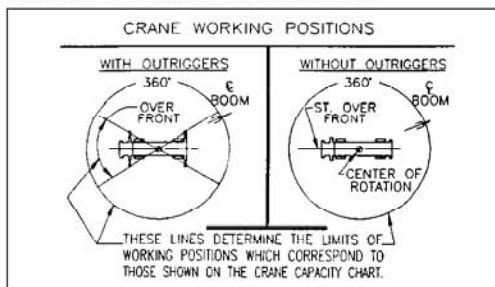
40' - 126' FULL POWERED BOOM

MODE 2



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

CRANE WORKING CONDITIONS



REDUCTION IN MAIN BOOM CAPACITY

All Jibs in Stowed Position	0 Lbs.
Aux. Boom in Head Sheave	150 Lbs.

HOOK BLOCK WEIGHTS

9.6T Hook & Ball	722 Lbs.
20T Hook Block (1 Sheave)	678 Lbs.
100T Hook Block (6 Sheave)	1735 Lbs.



Lifting Capacities – Pounds MODE 1 (40' – 97.3' boom)

MODEL RT1000

TOTAL COUNTERWEIGHT:
24,250 LBS.
BOOM LENGTH 40-97.3 FT.
OUTRIGGER SPREAD:
25 FT. 2 IN.

STABILITY PCT.
ON OUTRIGGERS 85%
ON TIRES 75%
PCSA CLASS 10-430

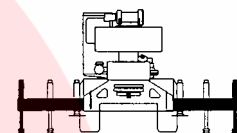


CAUTION: Do not use this specification sheet as a load rating chart. The format of data is not consistent with the machine chart and may be subject to change.

ON OUTRIGGERS - FULLY EXTENDED

LOAD RADIUS (FT)	40 FT BOOM		45 FT BOOM		55 FT BOOM		65 FT BOOM		75 FT BOOM		85 FT BOOM		97.3 FT BOOM		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	9650	80
85													21	8150	85
90													9	6150	90

MODE 1



USE THESE CHARTS
ONLY WHEN ALL
OUTRIGGERS ARE
FULLY EXTENDED

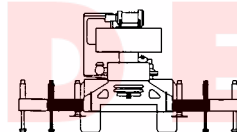
MAXIMUM CAPACITY AT 0 DEGREE BOOM ANGLE

40 FT BOOM		45 FT BOOM		55 FT BOOM		65 FT BOOM		75 FT BOOM		85 FT BOOM		97.3 FT BOOM	
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	5750	68.5	4050	78.5	0		

ON OUTRIGGERS - MID POSITION

LOAD RADIUS (FT)	40 FT BOOM		45 FT BOOM		55 FT BOOM		65 FT BOOM		75 FT BOOM		85 FT BOOM		97.3 FT BOOM		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	8550	40	8550	48	8550	60
65									19	6550	34	6650	44	6650	65
70											27	4950	39	5050	70
75											18	3650	34	3650	75
80													28	2450	80
85															85
90															90

MODE 1



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

MAXIMUM CAPACITY AT 0 DEGREE BOOM ANGLE

40 FT BOOM		45 FT BOOM		55 FT BOOM		65 FT BOOM		75 FT BOOM		85 FT BOOM		97.3 FT BOOM	
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	7750								



Lifting Capacities – Pounds MODE 1 (40' – 97.3' boom)

MODEL RT1000

TOTAL COUNTERWEIGHT:
24,250 LBS.
BOOM LENGTH 40-97.3 FT.
OUTRIGGER SPREAD:
25 FT. 2 IN.

STABILITY PCT.
ON OUTRIGGERS 85%
ON TIRES 75%
PCSA CLASS 10-430

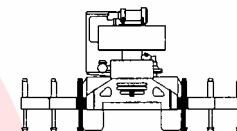


CAUTION: Do not use this specification sheet as a load rating chart. The format of data is not consistent with the machine chart and may be subject to change.

ON OUTRIGGERS - RETRACTED

LOAD RADIUS (FT)	40 FT BOOM		45 FT BOOM		55 FT BOOM		65 FT BOOM		75 FT BOOM		85 FT BOOM		97.3 FT BOOM		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	9950	62	9950	40
45							39	7150	48	7150	54	7150	59	7150	45
50							31	4950	42	4850	49	4850	56	4850	50
55									36	3150	45	3150	52	3150	55
60													48	1650	60
65															65
70															70
75															75
80															80
85															85
90															90

MODE 1



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

MAXIMUM CAPACITY AT 0 DEGREE BOOM ANGLE

40 FT BOOM		45 FT BOOM		55 FT BOOM		65 FT BOOM		75 FT BOOM		85 FT BOOM		97.3 FT BOOM	
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	8650	48.5	5450								

OPERATION ON OUTRIGGERS

- Read and understand all warnings and instructional notes.
- Rated loads for fully extended outriggers do not exceed 85% of the tipping load as determined by SAE crane stability test Code J765.
- The tires shall be raised clear of the ground and free of crane weight before operating boom or lifting loads.
- All outrigger beams must be extended to the same length; fully extended, mid position or fully retracted.
- 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.
- 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.
- 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.
- 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.
- 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.
- Do not tip machine to determine allowable lifting capacities.
- 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.
- 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 – Pounds MODE 2 (40' – 126' boom)

MODEL RT1000

TOTAL COUNTERWEIGHT:
24,250 LBS.
BOOM LENGTH 40-126 FT.
OUTRIGGER SPREAD:
25 FT. 2 IN.

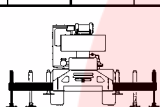
STABILITY PCT.
ON OUTRIGGERS 85%
ON TIRES 75%
PCSA CLASS 10-430



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)	40 FT BOOM		45 FT BOOM		55 FT BOOM		65 FT BOOM		75 FT BOOM		85 FT BOOM		95 FT BOOM		105 FT BOOM		115 FT BOOM		126 FT 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

MODE 2

MAXIMUM CAPACITY AT 0 DEGREE BOOM ANGLE

40 FT BOOM		45 FT BOOM		55 FT BOOM		65 FT BOOM		75 FT BOOM		85 FT BOOM		95 FT BOOM		105 FT BOOM		115 FT BOOM		126 FT BOOM	
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

- Read and understand all warnings and instructional notes.
- Rated loads for fully extended outriggers do not exceed 85% of the tipping load as determined by SAE crane stability test Code J765.
- The tires shall be raised clear of the ground and free of crane weight before operating boom or lifting loads.
- All outrigger beams must be extended to the same length; fully extended, mid position or fully retracted.
- 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.
- 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.
- 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.
- 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.
- 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.
- Do not tip machine to determine allowable lifting capacities.
- 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.
- 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 – Pounds MODE 2 (40' – 126' boom)

MODEL RT1000

TOTAL COUNTERWEIGHT:
24,250 LBS.
BOOM LENGTH 40-126 FT.
OUTRIGGER SPREAD:
25 FT. 2 IN.

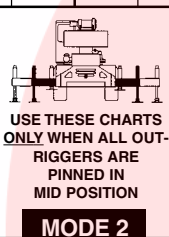
STABILITY PCT.
ON OUTRIGGERS 85%
ON TIRES 75%
PCSA CLASS 10-430



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 (FT)	40 FT BOOM		45 FT BOOM		55 FT BOOM		65 FT BOOM		75 FT BOOM		85 FT BOOM		95 FT BOOM		105 FT BOOM		115 FT BOOM		126 FT 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	172,150	70	59,150	74	59,150	77	59,150												
12	65	141,150	68	59,150	72	59,150	75	59,150		59,150										
15	60	124,150	63	59,150	69	59,150	72	59,150	75	59,150	76	59,150	78	59,150						
20	51	86,850	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	55,350	48	55,850	57	56,550	62	57,050	66	57,350	69	56,150	72	52,150	73	49,150	75	40,150	76	31,150
30	26	39,250	38	39,650	50	40,350	57	40,850	62	41,150	66	41,450	68	41,750	71	41,850	72	34,150	74	27,150
35			25	29,750	43	30,450	52	30,750	58	31,150	62	31,350	65	31,650	68	31,150	70	30,150	72	24,150
40					34	23,650	46	23,950	53	24,250	58	24,550	62	24,750	65	24,850	67	25,150	69	22,150
45							39	19,050	48	19,350	54	19,650	58	19,850	62	19,950	64	20,150	67	18,150
50							31	15,350	42	15,650	49	15,850	55	16,150	58	16,150	61	16,350	64	16,150
55									36	12,650	45	12,950	51	13,150	55	13,250	59	13,450	62	13,550
60									29	10,350	40	10,550	47	10,750	52	10,850	56	11,050	59	11,150
65											34	8650	42	8850	48	8950	52	9150	56	9150
70											27	7050	37	7250	44	7350	49	7450	53	7550
75													32	5850	40	5950	46	6150	51	6150
80															35	4750	42	4950	47	4950
85															30	3650	38	3850	44	3950
90																	34	2950	41	3050
95																				

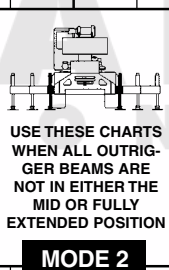


MAXIMUM CAPACITY AT 0 DEGREE BOOM ANGLE

40 FT BOOM		45 FT BOOM		55 FT BOOM		65 FT BOOM		75 FT BOOM		85 FT BOOM		95 FT BOOM		105 FT BOOM		115 FT BOOM		126 FT BOOM	
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	23,650	38.5	12,350	48.5	8050	58.5	0												

ON OUTRIGGERS - RETRACTED

LOAD RADIUS (FT)	40 FT BOOM		45 FT BOOM		55 FT BOOM		65 FT BOOM		75 FT BOOM		85 FT BOOM		95 FT BOOM		105 FT BOOM		115 FT BOOM		126 FT 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	155,150	70	59,150	74	59,150	77	59,150												
12	65	105,650	68	59,150	72	59,150	75	59,150	77	59,150										
15	60	69,250	63	59,150	69	59,150	72	59,150	75	59,150	76	59,150	78	59,150						
20	51	41,550	56	41,850	63	42,550	67	42,950	71	43,250	73	43,550	75	43,850	76	43,950	78	42,150		
25	40	27,850	48	28,150	57	28,750	62	29,150	66	29,450	69	29,750	72	29,950	73	30,050	75	30,350	76	30,350
30	26	19,650	38	20,050	50	20,550	57	20,950	62	21,250	66	21,450	68	21,750	71	21,750	72	30,050	74	30,050
35			25	14,550	43	15,150	52	15,450	58	15,750	62	15,950	65	16,250	68	16,250	70	16,450	72	16,550
40					34	11,250	46	11,550	53	11,850	58	12,050	62	12,350	65	12,350	67	12,550	69	12,650
45							39	8650	48	8950	54	9150	58	9350	62	9450	64	9650	67	9650
50							31	6350	42	6650	49	6850	55	7050	58	7150	61	7350	64	7450
55									36	4850	45	5050	51	5250	55	5350	59	5550	62	5550
60											40	3550	47	3750	52	3850	56	4050	59	4050
65											34	2350	42	2550	48	2650	52	2750	56	2850
70																	49	1750	53	1750
75																				
80																				
85																				
90																				
95																				



MAXIMUM CAPACITY AT 0 DEGREE BOOM ANGLE

40 FT BOOM		45 FT BOOM		55 FT BOOM		65 FT BOOM		75 FT BOOM		85 FT BOOM		95 FT BOOM		105 FT BOOM		115 FT BOOM		126 FT BOOM	
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	16,550	38.5	8650	48.5	5450														



Lifting Capacities – Pounds MODE 1 (40' – 97.3' boom)

MODEL RT1000

TOTAL COUNTERWEIGHT:
24,250 LBS.
BOOM LENGTH 40-126 FT.
OUTRIGGER SPREAD:
25 FT. 2 IN.

STABILITY PCT.
ON OUTRIGGERS 85%
ON TIRES 75%
PCSA CLASS 10-430



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

38 FT OFFSETABLE / PULLOUT RETRACTED									60 FT OFFSETABLE JIB								
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	7650						
77	30	15,150							76	40	7150						
75	35	13,650	78	35	9750				74	45	6850	79	45	5550			
73	40	12,550	77	40	9050				72	50	6550	77	50	5250			
70	45	11,650	74	45	8550	78	45	7250	70	55	6250	75	55	5050			
68	50	10,850	72	50	8050	75	50	6950	68	60	5950	73	60	4750	78	60	3850
66	55	10,150	70	55	7650	73	55	6650	65	65	5550	71	65	4550	76	65	3750
63	60	9450	67	60	7250	70	60	6350	63	70	5450	68	70	4350	72	70	3650
60	65	8750	64	65	6850	67	65	6150	61	75	5250	66	75	4150	70	75	3550
57	70	8250	61	70	6550	64	70	5950	59	80	5150	64	80	3950	68	80	3450
55	75	7750	59	75	6350	61	75	5750	56	85	4950	62	85	3850	66	85	3350
52	80	7250	56	80	6050	59	80	5550	54	90	4850	59	90	3650	63	90	3150
49	85	6850	53	85	5850	56	85	5450	52	100	4550	55	100	3450	58	100	3050
46	90	6250	50	90	5650	52	90	5250	44	110	4150	49	110	3150	53	110	2950
40	100	5350	44	100	5150	46	100	5150	39	120	3750	43	120	3050	46	120	2850
32	110	4350	36	110	4650	38	110	4650	32	130	3250	37	130	2850	39	130	2750
23	120	3650	26	120	3850	26	120	3950									

NOTES FOR JIB CAPACITIES

- A. Reference load radius is for 135.3 ft. (97.3 ft. boom + 38 ft. boom extension) or 157.3 ft. (97.3 ft. boom + 60 ft. 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 ft. for 135.3 boom, 55 ft. for 157.3 boom.

Lifting Capacities – Pounds MODE 2 (40' – 126' boom)



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

38 FT OFFSETABLE / PULLOUT RETRACTED									60 FT OFFSETABLE JIB								
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	7250						
75	45	10,650							76	50	6950						
74	50	10,050	77	50	8850				75	55	6750						
72	55	9450	75	55	8550	77	55	6950	73	60	6450	77	60	5150			
70	60	8950	73	60	8150	75	60	6650	72	65	6250	76	65	5050			
68	65	8450	72	65	7850	74	65	6550	70	70	5850	74	70	4750	77	70	3850
67	70	7950	70	70	7450	72	70	6350	68	75	5650	72	75	4550	76	75	3750
65	75	7550	68	75	7050	70	75	6150	67	80	5450	71	80	4350	74	80	3650
63	80	7150	66	80	6650	68	80	5950	65	85	5350	69	85	4250	72	85	3450
61	85	6750	64	85	6350	66	85	5850	64	90	5250	67	90	4050	70	90	3350
59	90	6350	62	90	6050	63	90	5650	60	100	4850	64	100	3850	67	100	3250
54	100	5550	57	100	5450	59	100	5350	56	110	4350	60	110	3550	63	110	3150
49	110	4850	52	110	4750	54	110	5050	52	120	3850	56	120	3350	59	120	2850
43	120	4050	46	120	4150	48	120	4650	47	130	3350	52	130	3050	54	130	2450
37	130	3150	40	130	3550	42	130	3950	42	140	2850	41	140	2850	49	140	2150
			33	140	2350	34	140	2450	37	150	2350	35	150	2550	43	150	1850
															36	160	1550

NOTES FOR JIB CAPACITIES

- A. Reference load radius is for 164 ft. (126 ft. boom + 38 ft. boom extension) or 186 ft. (126 ft. boom + 60 ft. 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 ft.



Lifting Capacities – Pounds MODE 1 (40' – 97.3' boom)

MODEL RT1000

TOTAL COUNTERWEIGHT:
24,250 LBS.
BOOM LENGTH 40-97.3 FT.
OUTRIGGER SPREAD:
25 FT. 2 IN.

STABILITY PCT.
ON OUTRIGGERS 85%
ON TIRES 75%
PCSA CLASS 10-430



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 - 2 1/2 MPH, BOOM OVER FRONT

LOAD RADIUS (FT)	40 FT BOOM		45 FT BOOM		55 FT BOOM		65 FT BOOM		75 FT BOOM		85 FT 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	7550	56	7550	61	7550
45							42	5250	51	5250	57	5250
50									45	3450	52	3450
55											48	1950

MODE 1

ON TIRES - CREEP SPEED, BOOM OVER FRONT

LOAD RADIUS (FT)	40 FT BOOM		45 FT BOOM		55 FT BOOM		65 FT BOOM		75 FT BOOM		85 FT 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	7550	56	7550	61	7550
45							42	5250	51	5250	57	5250
50									45	3450	52	3450
55											48	1950

MODE 1

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

LOAD RADIUS (FT)	40 FT BOOM		45 FT BOOM		55 FT BOOM		65 FT BOOM		75 FT BOOM		85 FT 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	7550	56	7550	61	7550
45							42	5250	51	5250	57	5250
50									45	3450	52	3450
55											48	1950

MODE 1

ON TIRES - STATIC, 360 DEGREE ROTATION

LOAD RADIUS (FT)	40 FT BOOM		45 FT BOOM		55 FT BOOM		65 FT BOOM		75 FT BOOM		85 FT 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)
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	9950	54	9950	60	9950	64	9950
40							49	6950	56	6950	61	6950
45							42	4650	51	4650	57	4650
50									45	2850	52	2850
55											48	1450

MODE 1

OPERATION ON TIRES

- Read and understand all warnings and instructional notes.
- Crane lifting capacities on tires do not exceed 75% of the tipping load.
- 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.
- Crane lifting capacities require lifting from main boom head only on a smooth and level surface.
- 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.
- 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.
- 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.
- Do not travel with boom extension erected.
- Creep: motion less than 200 feet in a 30 minute period and not exceeding 1 mph.
- Maximum recommended boom angle on tires is 73° without load.
- Lifting loads with erected boom extension is neither intended nor approved.
- Handling of personnel from the boom is neither intended nor approved.
- Operating pile driving/extracting equipment on tires is neither intended nor approved.

RECOMMENDED TIRE PRESSURE

TIRE SIZE	STATIONARY	CREEP	2 1/2 MPH	TRAVEL
29.50 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

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 RT 1000 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 1 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.

WE RESERVE THE RIGHT TO AMEND THESE SPECIFICATIONS AT ANY TIME WITHOUT NOTICE. THE ONLY WARRANTY APPLICABLE IS OUR STANDARD WRITTEN WARRANTY APPLICABLE TO THE PARTICULAR PRODUCT AND SALE. WE MAKE NO OTHER WARRANTY, EXPRESSED OR IMPLIED.



TEREX

TEREX Cranes
106 12th Street S.E.
Waverly, IA 50677-9466 USA
TEL: +1 (319) 352-3920
FAX: +1 (319) 352-5727
EMAIL: inquire@terexwaverly.com
WEB: terex.com