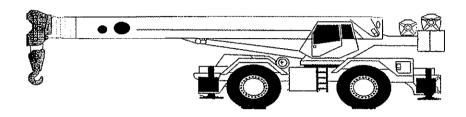


TEREX RT 1100 SERIES

100 Ton (91 tonne) capacity rough terrain cranes specifications



STANDARD BOOM EQUIPMENT

BOOM

40ft. 8in. – 149ft 3" in. (12.4m-45.5m), five section full power synchronized boom. High-strength construction Anti-friction slide pads. Two double acting boom hoist cylinders. Maximum tip height is 159 ft. (48.5m).

BOOM HEAD

Welded to fifth section of boom. Seven non metallic main sheaves and two non metallic idler sheaves mounted on heavy duty anti-friction bearings.

OPTIONAL BOOM EQUIPMENT

JIBS

32'10"-65'6" (10m-20m) self storing swing-on lattice type jib. Single sheave mounted on anti-friction bearing. Jib is bi-fold extendible to 57ft.(18.3m), Jib is offsetable at 0', 15' or 26'. Maximum tip height is 225ft. (68.6m)

HOOK BLOCK

100 ton (91mt) Six steel sheaves on anti-friction bearings with hook and heavy duty latch. Quick reeving design.

AUXILIARY BOOM HEAD

Removable auxiliary boom head has single sheave mounted on anti-friction bearing. Removable pin-type rope guard for quick reeving. Installs on main boom peak only. Removal is required for jib use.

HOOK & BALL

9.3 ton (8.4mt) top swivel ball with hook and hook latch.





STANDARD UPPERSTRUCTURE EQUIPMENT

UPPERSTRUCTURE FRAME

All welded one-piece structure fabricated with high tensile strength alloy steel. 23,810 LB. (10,800 kg) bolt on type counterweight is removable.

TURNTABLE CONNECTION

Swing bearing is a single row, ball type, with external teeth. The swing bearing is welded to the carrier.

SWING

A hydraulic motor drives a double planetary reduction gear for precise and smooth 360 degree swing function. Swing speed is 1.5 rpm.

SWING BRAKE

Heavy duty multiple disc swing brake is actuated from operator's cab by foot pedal. Brake may be locked on or used as a momentary brake.

RATED CAPACITY INDICATOR

Rated Capacity Indicator with visual and audible warning system and automatic function disconnects. Pictographic display includes: boom radius, boom angle, boom length, allowable load, actual load, and percentage of allowable load registered by bar graph. Operator settable alarms provided for swing angle, boom length, boom angle, tip height, and work area exclusion zone. Anti-two block system includes audio/visual warning and automatic function disconnects.

OPERATOR'S CAB

Environmental cab with all steel construction, optimized visibility, tinted safety glass throughout, and rubber floor matting. The cab has a sliding door on the left side, framed sliding window on the right side and rear with window, hinged tinted all glass skylight.

Acoustical foam padding insulates against sound and weather Cloth covered adjustable operator's seat is equipped shock absorbing suspension and includes arm rests and seat belts.

CONTROLS

All joystick control levers and pedals are positioned for efficient operation. Hand operated controls include swing, foot pedal, boom hoist, winch(s), shift, 360 degree house lock. Switches include ignition, engine stop, steering mode, parking brake, two speed winch, and outrigger controls. Foot control pedals include swing brake, boom telescope, service brakes and accelerator.

INSTRUMENTATION AND ACCESSORIES

In-cab gauges include air pressure, bubble level, engine oil pressure, fuel, engine coolant temperature, voltmeter, transmission temperature, transmission charge pump pressure. Indicators include low air, high coolant temperature/ low engine oil pressure/high transmission temperature audio/ Visual warning,tachometer, low coolant warning, hoist drum rotation indicator, and rated capacity indicator. Accessories include fire extinguisher; light package including headlights, taillight, brake lights, directional signals, four-way hazard flashers, dome & dash lights, and back-up lights with audible back-up alarm; windshield washer/wiper; roof wiper; rear view mirrors, rear steer centering light, and defroster fan.

HYDRAULIC CONTROL VALVES

Valves are mounted on the side of the upperstructure and are Easily accessible. Valves are hydraulically operated.

OPTIONAL EQUIPMENT

Auxiliary Winch - Air Conditioner/heater -WorkLights -Revolving Amber Light - Diesel or Propane Heater

STANDARD CARRIER EQUIPMENT CARRIER CHASSIS

High strength chassis with four-wheel drive and four-wheel steer (4x4x4). Has box beam type construction with reinforcing cross members, a precision machined turn table mounting plate and integrally welded outrigger boxes. Decking has anti-skid surfaces, including tool storage compartment, and access steps and handles.

AXLES AND SUSPENSION

Rear axle is a planetary drive/steer type with hydraulic lockouts. Osillation is +/- 5.5 in. (140mm). Osillation lock out override control. Front axle is a planetary drive/steer type.

STEERING

Hydrostatic power steering, front and rear axles. Control modes for front only, four wheel cramp and crab steering all controlled by steering wheel.

Turning radius to center of outside tire. 33.25X29-32PR 24ft. 8in. (7.5M)

TRANSMISSION

Fully sequential rangeshift with torque convertor. Eight Speeds forward and four reverse.



STANDARD CARRIER EQUIPMENT (continued)

MULTI-POSITION OUT & DOWN OUTRIGGERS

Fully independent hydraulic outriggers may be extended to 25 ft. 2 in. (7.6 m), 17 ft. 9 in. (5.4m), and 10 ft. 8 in. (3.25m) Front to rear spread is 25 ft. 2 in.(7.6m) Easily removable Floats 24in. (610mm) square stow on the carrier frame. Complete controls and sight leveling bubble are located in the operator's cab.

WHEELS & TIRES

Disc type wheels tubeless tires with rock tread.

TIRES

33.25X29-32PR

SERVICE BRAKES

Dual circuit, air drum brakes at each wheel.

PARKING BRAKE

Disc brake on rear axle input shaft.

OPTIONAL EQUIPMENT

Cold Weather Starting Aid - Immersion Heater , Spare tire e Pintle Hook e Tire Inflation Kit e Front Mounted Winch - 15,000lbs, 6,75mt line pull.

HYDRAULIC SYSTEM HYDRAULIC PUMPS

System uses two tandem gear-type pumps with a Total flow of 145 gpm (555 lpm). Manual Disconnect is standard.

Main and Auxiliary Winch Pump

80 gpm (306 lpm) @ 3,200 psi (220 bar)

Boom Hoist, Telescope Pump

42 gpm (200 lpm) @ 3,200 psi (220 bar)

Power Steering, and Swing Pump

25 gpm (106 lpm) @ 2,000 psi (138 bar)

FILTRATION

Full flow oil filtration system is by two 10-micron return line filters externally mounted to the reservoir and one 20 -mircron pressure line filter.

HYDRAULIC RESERVOIR

OPTIONAL AUX. WINCH

Same as main winch.

All steel, welded construction with diffuser. Easy access to filters and is equipped with an air breather and dip stick. Capacity is 440 gallons (1500 liters). Oil cooler is standard.

MAIN WINCH SPECIFICATION

Hydraulic winch with bent axis piston motor and planetary

reduction gearing provides 2-speed operation with equal speeds for power up and down and infinitely variable speed control. Winch is equipped with an multi-disc brake, grooved drum, tapered flanges, standard cable roller on drum, and drum turn indicator.

PERFORMANCE

Braden 185

Max. line speed

-Fifth layer

393 fpm (120 mpm)

Max. line pull

-First layer Permissible line pull

25,000 lbs. (11340kg) low speed 16,000 lbs. (7258kg) per part of line

Strength limit

16,800 lbs. (7620kg) with 3.5:1 safety factor

DRUM CAPACITY

Max. Storage: 886 ft (237 m) 3/4 in. wire rope

CABLE

760 ft. (232m) of 34 in. (19mm) diameter,

6x37 EIPS with 7x7 IWRC.

OPTIONAL CABLE-Auxiliary Winch

Rotation resistant wire rope 3/4x570' 8x19

EIPS WITH 7X7 IWRC.

ENGINE SPECIFICATIONS

Make and Model

Cummins 6CTA8.3L

Type

Bore and Stroke

6 cylinder

Displacement

4.49 in. (114mm) x 5.32 in. (135mm) 504.5 in.3 (8.27 litres)

Gross Horsepower

260 @ 2200 rpm 828 ft. lbs. (1123 Nm)

Gross Torque Aspiration Air Filter

Turbo charged, charge air cooled

Electrical System

dry type 24 voit 70 amp

Alternator

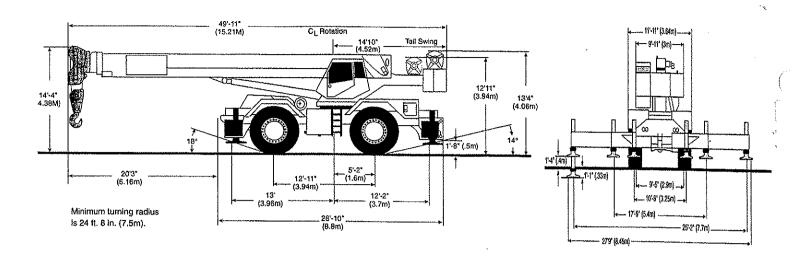
2 8D batteries

Battery **Fuel Capacity**

80 gallon (303 liter)



GENERAL DIMENSIONS



	GROSS	UPPER FA	ACING	GROSS	UPPER FACI	NG
WEIGHTS & AXLE LOADS	WEIGHT			WEIGHT		
	LBS,	FRONT	REAR	KG.	FRONT	REAR
Basic Machine RT1100 with boom, Counterweight and tires.	129,841	56,052	73,789	58,896	25,284	33,612
Removable Counterweight	-23,810	-14,364	38,174	10,800	-6,516	17,316
Boom	- 34,489	+ 48,625	-14,136	+ 15,644	+ 22,056	-6,412
33.25X29 Standard Tires	-8,664	4,332	-4,332	-3,124	-1,562	-1,562
Add Options:				**		
Bi-Fold Lattice Extension (Stowed)	+ 2,437	+4,735	-2,298	+ 1,105	+ 2,148	-1,042
Auxiliary Boom Head	+ 220	+ 695	-475	+ 100	+ 315	-216
Auxiliary Winch Controls and Plumbing Only	+ 75	+0	+ 75	+ 34	+ 0	+ 34
Auxiliary Winch Wire Rope.	+ 750	- 334	+ 1,084	+ 340	- 152	+492
100 ton 6-Sheave Hook Block (travel)	+ 1,735	+5,283	-3,548	+ 787	+ 2,397	-398
9.2T Hook and Ball (boom)	+ 722	+ 2,320	-1,598	+ 327	+ 1,052	-725
Pintle Hook: Rear	+ 45	-19	+64	+ 20	-9	+64

NOTE: Weights are for factory supplied equipment and are subject to 2% variation due to manufacturing tolerances.

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 PRODUC! AND SALE. WE MAKE NO OTHER WARRANTY, EXPRESSED OR IMPLIED.

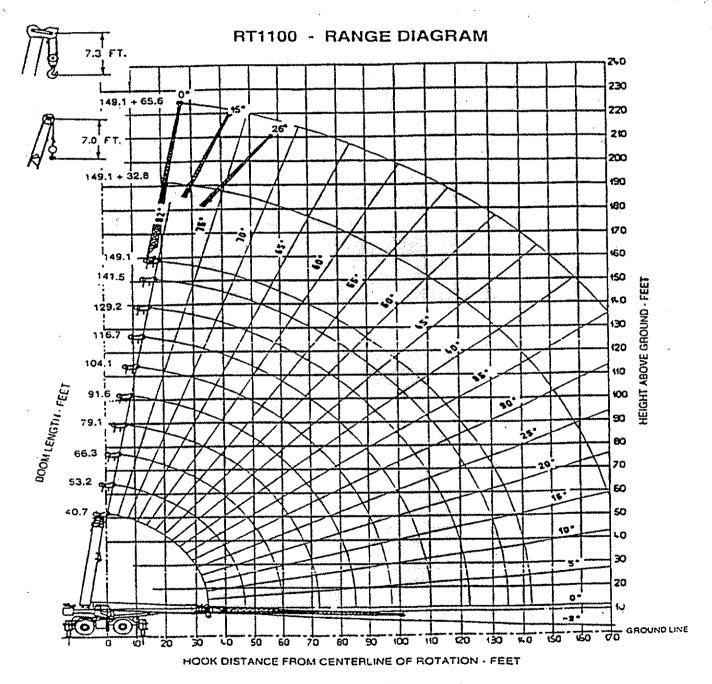
Terex Cranes, Inc., PO Box 260002, Conway, SC 29528, Phone: (843)349-6900 Fax: (843)349-7090 TX1100-Rev00 E-mail: inquire@terexlifting.com - www.terexlift.com



TEREX RT1100

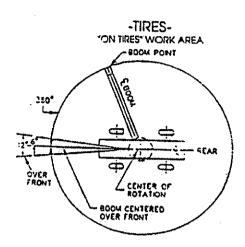
Range diagram & lifting capacities

ROUGH TERRAIN CRANE 100 Ton Capacity



WARNING CONSULT MACHINE CAPACITIES CHARTS FOR BOOM LENGHTS, BOOM ANGLES AND RADII WHERE A TIPPING CONDITION MAY OCCUR.



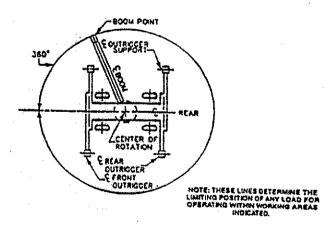


note: These lines determine the Limiting position of any load for Cperating within viorking areas Mocated.

DO NOT EXCEED 44 DEGREE BOOM ANGLE WITHOUT A LOAD ON THE HOOK

		····	185 64	AN & AUX	RIANY HO	ti MEVING	X = 17			
		25 WCH				PRINCIN		4400 KG)		
PARTS OF LINE	,		1.	. 4				4		
LOADIES	16000	32000	48000	1 5370	0 !	1	***************************************		-	· · · · · · · · · · · · · · · · · · ·
WAXWWW CAD-KGS	7250	14500	21750	1 2430	0					

AREAS OF OPERATION -OUTRIGGERS-ON OUTRIGGERS WORK AREA



DO NOT EXCEED AS DEGREE BOOM ANGLE WITHOUT A LOAD ON THE HOOK

***			-	168 M	AM & AU	THIARY P	CHI HE	VIMG 4	17				
			75 INCH	(14 mm)	DIA. NO	T DEFACE	HI STHIN	OTH \$1400	¥8. (244	00 EG1			
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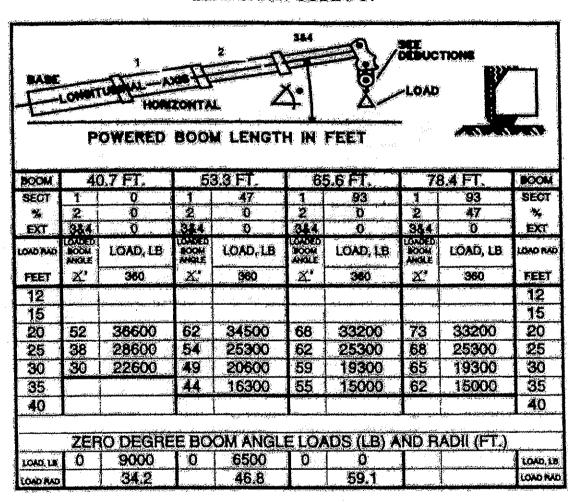
RT1100 RATED LIFTING CAPACITIES IN POUNDS - MODE 1

LOAD RATINGS ON TIRES - CREEP - OVER FRONT

MAXIMUM BOOM LENGTH 78.4 FT.

23810 POUND TOTAL COUNTERWEIGHT

LOAD CHART CODE # 01



MINIMUM BOOM ANGLE (DEG) FOR INDICATED BOOM LENGTH (NO LOAD)	-2
MAXIMUM BOOM LENGTH (FEET) AT 0 DEGREE BOOM ANGLE (NO LOAD)	65.6

TIRE INFLATION	ON DATA - PS	
TIRE SIZE	FIOADING	GREEP
33.25 x 29 - 32 PR	50	80



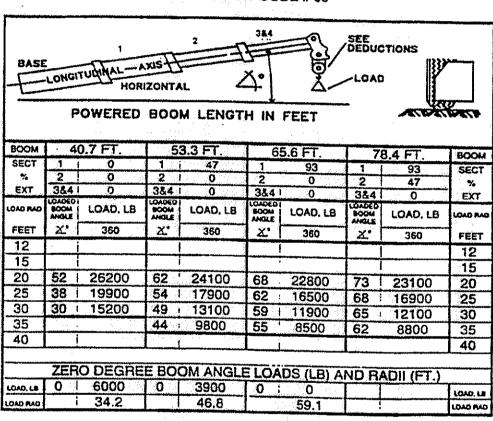
RT1100 RATED LIFTING CAPACITIES IN POUNDS - MODE 1

LOAD RATINGS ON TIRES - 2.5 MPH OVER FRONT

MAXIMUM BOOM LENGTH 78.4 FT.

23810 POUND TOTAL COUNTERWEIGHT

LOAD CHART CODE # 00



MINIMUM BOOM ANGLE (DEG) FOR INDICATED BOOM! CHOTH (100 LOAD)	
MINIMUM BOOM ANGLE (DEG) FOR INDICATED BOOM LENGTH (NO LOAD)	-2
MAXIMUM BOOM LENGTH (FEET) AT 0 DEGREE BOOM ANGLE (NO LOAD)	
INVANIMON DOOM CENGIN (PEET) AT U DEGHEE BOOM ANGLE (NO LOAD)	65.6
THE THE PARTY OF T	100.0

TI	RE INFLATIO	N DATA - PS	
TIRES		ROADING	2.5 MPH
33.25 x 29	- 32 PR	50	65



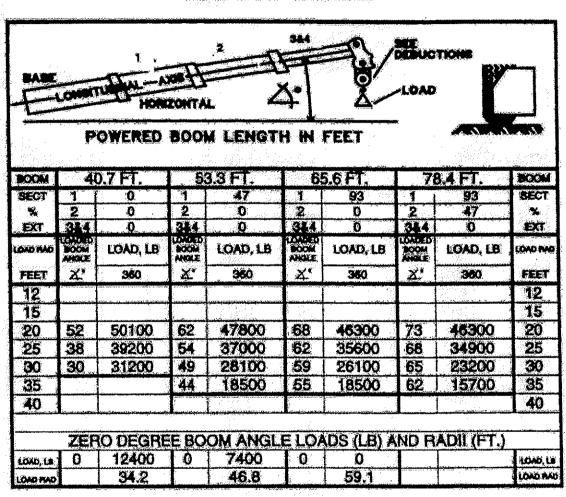
RT1100 RATED LIFTING CAPACITIES IN POUNDS - MODE 1

LOAD RATINGS ON TIRES - STATIC +/- 6 DEGREE - OVER FRONT

MAXIMUM BOOM LENGTH 78,4 FT.

23810 POUND TOTAL COUNTERWEIGHT

LOAD CHART CODE # 02



	A CONTRACT OF THE PROPERTY OF	
	INNAUM PROOM ANGLE (DEG) FOR INDICATED ROOM LENGTH (NO LOAD)	<i>)</i> . 1
٠,	INMUM BOOM ANGLE (DEG) FOR INDICATED BOOM LENGTH (NO LOAD)	⇒ ₹
	region of the large and the la	90000
	AXIMUM BOOM LENGTH (FEET) AT 0 DEGREE BOOM ANGLE (NO LOAD) 65.	D I
	CONTINUES IN PROCEEDINGS IN THE PARTY OF THE PROPERTY AND	~ ;

TIRE INFLATION	ON DATA - PS	
TIRE SIZE	ROADING	STATIC
33.25 x 29 - 32 PR	50	80

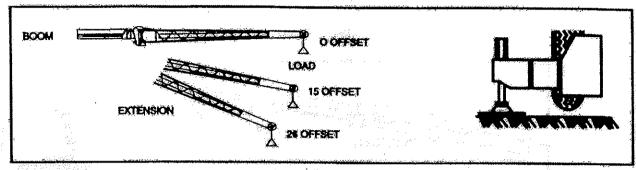


RT1100 RATED LIFTING CAPACITIES IN POUNDS MODE 2

149.1 FT BOOM FULLY EXTENDED 149.1 FT BOOM + 32.8 FT EXTENSION = 181.9 FT TOTAL FULLY EXTENDED OUTRIGGERS - 360 DEGREE

23810 POUND TOTAL COUNTERWEIGHT

LOAD CHART CODES #11, 12, 13



	CODE #11	
32.3 F FOR BO	TOPSET WITH TEXTENSION DOMLENGTHS T - 181.9 FT	PARES. LOAD PAONUE FT;
BOOM ANGLE	LØAD, LB 8 8 0	FEOT BOOK ONLY
78	14900	40
77	14900	45
76	14900	50
74	14000	55
73	13000	60
70	12000	65
69 67	11000 10300	70 75
66	9600	80
64	8800	85
61	8300	90
57	6600	100
54	4600	110
_50	2900	120
45	1600	130

	CODE #12					
37.8 F	XTOFFSET WITH TEXTENSION	REF.				
73.5	CM LENGTHS T - 181.9 FT	RADRUS FT.				
HOADED HOOM ANGLE	LOAD, LB	FOOT BOOM				
X° 1	980	CATA				
78	10500	50				
76	10000	55				
75	9400	60				
78	8900	65				
72	8300	70				
70	7800	75				
69	7500	80				
65	6800	85				
64	6500	90				
61	5800	100				
56	5100	110				
53	3600	120				
48	2100	130				

CODE #13						
26 DEGE 32.8 F	REDECIENT CATESET WITH					
	COM LENGTHS FT - 181,9 FT	MOND MACHUE FT.				
BOOM ANGLE	LÖAÐ, LB	FOOT POON				
. X *	380	DHC.				
78	8500	55				
77	8000	60				
75	7600	65				
74	7000	70				
71	6600	75				
70	6300	80				
68	5900	85				
66	5600	90				
62	4900	100				
56	4400	110				
54	3900	120				
50	2500	130				
45	1200	140				

REFERENCE LOAD RADIUSIS FOR 182 FT. BOOM ONLY FOR BOOM LENGTHS LESS THAN 182 FT., USE BOOM ANGLE ONLY

MINIMUM BOOM ANGLE (DEG) FOR INDICATED BOOM LENGTH (NO LOAD) -2
MAXIMUM BOOM LENGTH (FEET) AT 0 DEGREE BOOM ANGLE (NO LOAD) 91.6

Lif	TING CA	PACITIES - 8	80 DEGREE A	T 0 DEG, BOC	M ÅNGLE	
AREA OF	BOOM	MAINE	OOM LENGTH	IN FEET, LO	AD IN POUNDS	_
OPERATION	ANGLE	40.7	53.2	66.3	79.1	91.6
360 DEGREE	0°	1000	1000	1000	1000	Ô

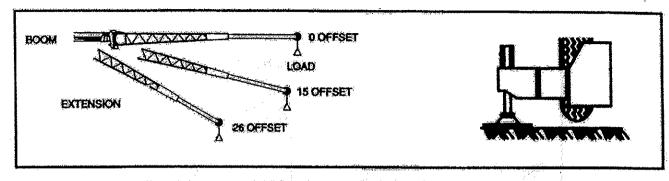
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RT1100 RATED LIFTING CAPACITIES IN POUNDS MODE 2

149.1FT BOOM FULLY EXTENDED 149.1 FT BOOM + 65.6 FT EXTENSION = 214.7 FT TOTAL FULLY EXTENDED OUTRIGGERS - 360 DEGREE

23810 POUND TOTAL COUNTERWEIGHT

LOAD CHART CODES #14, 15, 16



CODE#14										
	T EXTENSION	HEF.								
FOR BC 106.21	MADEUS FT.									
LOADED BOOM ANGLE	BOOM LOAD, LB									
ă°	360									
79	7600	45								
78	7600	50								
76	7500	55								
75	7300	60								
74	7000	65								
73	6700	70								
72	6600	75								
71	6400	80								
69	6200	85								
67	6100	90								
65	5600	100								
62	4900	110								
59	3900	120								
55	3000	130								
52	1800	140								

COD=#15									
	15 DEGREE OFFSET WITH 65.6 FT EXTENSION HEF.								
FOR BX 106.2	NADIUS PARTUS								
LOADED BOOM ANGLE	BOOM LOAD, LB								
X.	360	Calenda a disease construc							
2.1									
80	5500	60							
79	5500	65							
78	5500	70							
76	5100	75							
75	5000	_80							
74	4800	85							
72	4800	90							
69	4300	100							
66	3900	110							
63	3400	120							
60	3100	130							
57	2700	140							
53	1700	150							

CODEMIS											
	E OFFSET WITH										
	COM LENGTHS	LOND									
FOR BOOM LENGTHS 106.2 FT - 214.7 FT											
LOADED BOOM ANGLE	LOAD, LB	POM 216 FT BOOM DMLY									
X.	500										
		ante c									
×											
Magy yiliye saw											
79	4400	75									
78	4400	80									
76	4200	85									
74	3900	90									
71	3600	100									
68	3100	110									
65	2800	120									
62	2500	130									
59	2300	140									
55	2100	150									
51	1300	160									

REFERENCE LOAD RADIUS IS FOR 149 FT. BOOM ONLY FOR BOOM LENGTHS LESS THAN 149 FT., USE BOOM ANGLES ONLY

MINIMUM BOOM ANGLE (DEG) FOR INDICATED BOOM LENGTH (NO LOAD) -2
MAXIMUM BOOM LENGTH (FEET) AT 0 DEGREE BOOM ANGLE (NO LOAD) 79.1

L	IFTING CAP	ACITIES - 3	60 DEGREE A	TO DEG. BOC	M ANGLE	
AREA OF	ВООМ	MAINE	OOM LENGTH	IN FEET, LO	AD IN POUNDS	
OPERATION	ANGLE	40.7	53.2	79.1		
360 DEGREE	0°	1100	1100	0		

RT1100 RATED LIFTING CAPACITIES IN POUNDS MODE 1

40.7 FT. - 121.9 FT. BOOM ON FULLY EXTENDED OUTRIGGERS - 360 DEGREE 23810 POUND TOTAL COUNTERWEIGHT LOAD CHART CODE # 03

		·	воом	SECT	*	2	RADIUS	Ŀ	0	12	15	ଛ	ß	္က	35	40	45	20	55	8	65	22	75	80	85	90	95	ş	55			T	1
•	·	6	121.9 FT	100	· 100	100	LOAD, LB	360 DEG					52600	45800	40600	35400	31200	27600	22500	18500	15200	12500	10300	8300	6700	5200	3900	2800	1800			T	
	2			ļ	ď	3&4	BOOM ANGLE	Я					78	92	75	7	88	99	83	<u>ئ</u>	57	55	51	49	44	42	37	32	27		r	\perp	1
		VANDANDANDA	116.2 FT	63	93	93	LOAD, LB	360 DEG				4	62200	55300	48200	42500	34200	27500	22400	18400	15100	12400	10200	8200	9600	5100	3800	2700	1700			2 5	108.7
	— ₁	> .		1	2	384	BOOM ROOM ANGLE	,	-12 -13 -13				11	9/	74	70	29	92	61	59	55	53	49	46	41	39	32	29	20		_	1	1
	945 5 - 3 - 4 - 4		103.7 FT	93	93	47	LOAD, LB	360 DEG				79700	67500	57300	50200	42500	33400	26800	21600	21700	17700	14500	11800	0096	7600	0009	3300				AND HADII (FI.	1600	3/.2
				4.	2	3&4	BOOM	; ч				78	75	73	7.1	29	63	09	26	54	49	46	41	38	31	27	15			2	<u> </u>	\dagger	1
TIONS			90.9 FT.	63	93	0	LOAD, LB	360 DEG			88200	84500	71000	60900	50700	40700	31700		20200	16200	13000	10400	8200	6200							35 (LB) A	3100	84.4
SEE	LOAD	:		ļ	2	384	BOOM	Х.	8		79	76	72	69		62	22	55	49	47	40	37	28	23							<u></u>	\dagger	1
	D-Q	FEET	78.4 FT.	93	47	0	LOAD, LB	360 DEG		86100	89100	90100	75500	61600	50400	40200	31200	24700	19700	15700	12500	0066	1.45							1	BOOM ANGLE LOADS (LB)	4900	71.9
414		L.		-	2	38.4	BOOM BOOM	×		62	7.7	73	89	65	62	. 99	50	47	6	36	25	8										1	1
384	かり	LENGTH	65.6 FT.	93	0	0	LOAD, LB	360 DEG	140600	140600	121600	93800	75300	61200	49800	39200	30300	23800	18900				170								4	9400	59.1
77	山岩	ĭ ĭ		-	01	384	BOOM	×	8/	76	73	89	62	59	55	48	33	34	22			_									위	+	
. \ 	LONGITURINAL - AXIST	RED BO	53.3 FT.	47	0	0	EOAD, LB	360 DEG	140600	140600	123100	95500	76900	62900	51800	40900	31900	-		·											ZE	15900	46.8
	誾	POWERED		-	2	384	BOOM				89	82	52	49	44	32	8									T	\vdash					\dashv	
	BASE LONG	٩	40.7 FT.	0	0		LOAD, LB	360 DEG		144400	126100	98200	79600	65300													-					32600	34.2
	-7	• ; 		-	2	384	BOOM	≸ ×4	89		8	52	38	8								-										1	7
	:		BOOM	SECT	*	¥	S	Ę	Π	12	15	20	25	30	35	40	45	20	55	09	65	70	75	80	85	06	95	100	105				7

(DEGREES) FOL SATED BOOM LENGTH (NO LOAD)
TH (FEET) AT 0 SHEE BOOM ANGLE (NO LOAD)

116.2

MINIMUM BOOM ANGLE (DEGREES) FOL MAXIMUM BOOM LENGTH (FEET) AT 0

Z634 A

RT1100 RATED LIFTING CAPACITIES IN POUNDS NODE

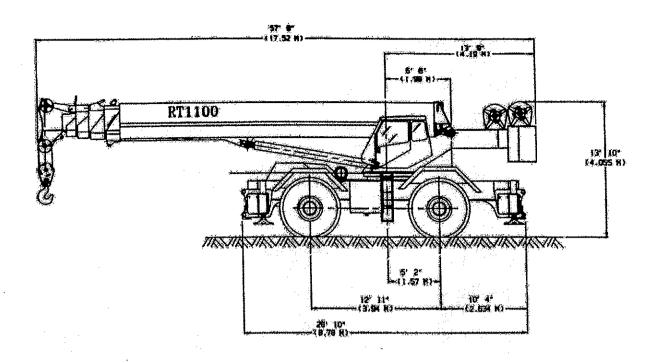
40.7 FT. - 149.1 FT. BOOM ON FULLY EXTENDED OUTRIGGERS - 360 DEGREE 23810 POUND TOTAL COUNTERWEIGHT LOAD CHART CODE # 04

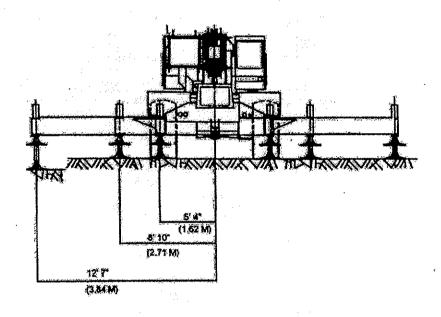
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MINIMUM BOOM ANGLE (DEGREES) FOR INDICATED BOOM LENGTH (NO LOAD) WAXIMUM BOOM LENGTH (FEET) AT -2 DEGREE BOOM ANGLE (NO LOAD)

A_76322626







DRAULIC DATA

MACHINE DESIGNED TO DPERATE AT THESE MAXIMUM PRESSURE SETTINGS AND FLOW RATES

	tián t	ECTION	VALVE .	ALK L HAIR	CT, VALVE	视镜		SINGLE SECTION			
FUNCTION	14LET	BCOM HOIST	HODY TELE.	INLET	HAIN	NIX.	IMET	ATHEN TOES	IKEI	ZATHO	
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UNAINED PRESSION SETTINGS IN EXCESS OF THE AGOVE VALUES VIOL RESELT IN CONTACTOR VARIOUS CLAIMS.

PRESSURE TO BE WITHIN \$100 ps; 17 66-1 - FLOW RAYES TO BE WITHIN \$32

3232Z654_A



GENERAL NOTES

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 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 Operators, Parts and Safety Manuals supplied with this machine. If these manuals are missing, Order replacements from the manufacturer thru 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 STANDARDS 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 1765A, SAE METHOD OF TEST FOR CRANE STRUCTURE 11063 AND APPLICABLE SAFETY CODE FOR CRANE, 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.
- 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.
- WORKING AREA- Areas measured in a circular are 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.
- 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.

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 pressure in tires. Consult operator's manual for precautions.
- Use of jibs, lattice-type boom extensions, our 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 descriptions 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.
- Properly maintained wire rope is essential for safe crane operation.
 Consult Operator's Manuals for proper maintenance and inspection requirements.

 When spin resistant wire rope is used, the allowable rope loading shall be the breaking strength divided by 5, unless otherwise specified by the wire rope manufacturer.

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).
- 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 2 times the weight of any Hook block, slings, and auxiliary lifting devices at the jib head to the
- Rated loads do not exceed 85% on outriggers or 75% on tires, of the tipping loads as determined by SAE Crane Stability Test Code J765A. Rated loads for partially extended outriggers are determined from the Formula. Rated Load=(Tipping Load - 0.1 X Tip Reaction)/ 1.25. 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.
- 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* ft. off the center line of the base boom section due to effects of wind, inertia, or both.
 **Use 2 feet off the center line of the base boom for a two section boom, 3 feet for a three section boom, or 4 feet for a four section
 - boom.

 The maximum load that can be telescoped is not definable, because of variations in loadings and crane maintenance, but it is
- 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 manufacturers specifications.
- It is recommended that load handling devices, including hooks, and hook blocks, be kept away from boom had at all times.
- 13. FOR TRUCK ONLY: 360 deg. capacities apply only to machines equipped with a front outrigger jack and all 5 outrigger jacks properly set. If the front (5) 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 deg. Load ratings in the overside work areas.



DEDUCTIONS TO MADE FROM LOAD RATINGS

Lifting from the main boom, on fully extended outriggers.

100 ton hook block	1,735 lbs.
20 ton hook block	600 lbs.
9.6 ton headache ball	722 lbs.
Auxiliary boom point sheave	220 lbs.
Stowed extensions	2.437 lbs.

NOTE: These load deductions only apply to equipment supplied by PPM Cranes, Inc.

OPERATION ON OUTRIGGERS

- Crane lifting capacities on fully extended outriggers do not exceed 85% of the tipping load.
- Rated lifting capacities above the bold line are based on the machines' hydraulic or structural competence. Rated lifting Capacities below the bold line are based on the machines' 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. Also see deductions for auxiliary sheave, stowed or erected extensions and jibs.
- 4. 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.
- 5. Do not tip machine to determine allowable lifting capacities.

OPERATION ON TIRES

- Crane lifting capacities on tires do not exceed 75% of the tipping load.
- Crane lifting capacities on tires depend on tire
 capacity, condition of tires and tire air pressure.
 Tires must be inflated to the recommended pressure
 before lifting.
- Rated lifting capacities above the bold line are based on the machines' hydraulic or structural competence.
 Rated lifting capacities below he bold line are based on the machines' stability.
- 4. 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 that can be Lifted. Also see deductions for auxiliary sheave, stowed extensions and jibs.
- 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.

NOTE: All designs, specifications, and components of the equipment described store are subject to change at the manufacturer's sole discretion at any time and without advance notice. Capacity charts and information printed here are only a guide and may not be complete. This should not be relief upon to operate the cane. The individual load charts and related fitting data on each came must be understood and govern operation of the crane. Data published herein is informational in nature and shall not be construed to warrant statististing of the machine for any particular purpose as performance may vary with conditions encountered. The only warranty applicable is out standard warranty for fits machine.

EXECUTION OF THE PROPERTY OF

P.O. Box 260002 Hwy: 501 East/Atlantic Center Conway, SC 29526-2602 U.S.A. (803) 349-6900 FAX (803) 349-7090

