



LIFTCRANE CAPACITIES _____ 4100W, 4100W SERIES-1 RINGER® - SERIES-3

**BOOM NO. 27 WITH OPEN THROAT TOP OFFSET 4-1/2 DEGREES
36 FT. RINGER ATTACHMENT ON SCREW JACKS AND
WITH OR WITHOUT TRAVEL ATTACHMENT
122,400 LB. CRANE AND 135,000 LB. AUXILIARY COUNTERWEIGHT**

MEETS
ANSI B30.5
REQUIREMENTS

NOTE: This capacity chart applies when RINGER attachment is supported on screw jacks. Some capacities on boom lengths thru 160' at radii up to 45' are reduced and may be based on structural limitation of jacks and supporting beams.
Use the proper blocking under ring will permit increased capacities in these areas per chart No. 6281-B2.

LIFTING CAPACITIES: Capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed 85% of a static tipping load. Capacities based on structural competence are shown by shaded areas.

Upper boom point capacity for single part whip line or combination of two single part lines is 28,300 lbs. In all cases, upper boom capacities cannot exceed those listed for the main boom capacity. Capacities are shown in pounds. Weight of upper boom point, jib, (see chart A), all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and jib point sheaves, is considered part of the main boom load. Boom is not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved.

OPERATING CONDITIONS: Machine to operate on a firm surface with screw jacks fully set, roller path level within a tolerance of 3/4" in 36' on boom lengths thru 300'; 3/8" in 36' on booms over 300' and properly supported. If auxiliary crawlers are removed the two front screw jacks must be attached per screw jack assembly. Refer to rigging Drawing No. 50999 and load line specification chart. Use of proper blocking under ring will permit increased capacities per chart No. 6281-B2.

Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, wind conditions, as well as adverse operating conditions and physical machine depreciation.

OPERATING RADIUS: Operating radius is the horizontal distance from the axis of rotation to the center of vertical hoist line or load

block with load freely suspended. Add 15" to boom point radius for radius of sheave when using single part hoist line.

Boom angle is the angle between horizontal and centerline of boom butt and inserts and is an indication of operating radius. In all cases, operating radius shall govern capacity.

BOOM POINT ELEVATION: Boom point elevation, in feet, is the vertical distance from ground level to centerline of boom point shaft.

MACHINE EQUIPMENT: Machine equipped with 36' RINGER attachment on screw jacks, 26'6" extendible crawlers, 48" treads, 17' retractable gantry, 130' mast, 8 part boom hoist reeving, four 1-3/8" boom pendants, 14" diameter x 16" width boom hoist drums, 122,400 lb. crane counterweight, 135,000 lb. auxiliary counterweight, and with or without RINGER travel attachment assembly No. 184541 or No. 184589.

LOAD LINE SPECIFICATIONS: For machine with full width tandem drums or full width front drum and split rear drum, refer to Load Line Specification Chart No. 6144 or 6144-B.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED			(A) DEDUCT FROM CAPACITIES WHEN JIB IS ATTACHED		
Boo. Lgth.	Jib No. 122A	Jib No. 123	Jib Lgth.	Jib No. 122A	Jib No. 123
340'	---	---	30'	---	3,000 lb.
340'	50'	60'	40'	6,300 lb.	3,600 lb.
			50'	7,200 lb.	4,200 lb.
			60'	---	4,900 lb.
Load block, hook and weight ball on ground at start.			Jib No. 123 deducts include jib adaptor.		

DEDUCT FROM CAPACITIES WHEN UPPER BOOM POINT AND/OR HANGER BLOCK ARE ATTACHED	
One Sheave Point	1,200 lb.
Two Sheave Point	1,500 lb.
Boom Point Block	1,200 lb.

For jib capacities, consult jib chart.

Boom Lgth.: Feet	Oper. Rad.: Feet	Boom Angle: Deg.	Boom Point: Elev.	Capacity:	Boom Lgth.: Feet	Oper. Rad.: Feet	Boom Angle: Deg.	Boom Point: Elev.	Capacity:	Boom Lgth.: Feet	Oper. Rad.: Feet	Boom Angle: Deg.	Boom Point: Elev.	Capacity:			
140	36	83.5	146.7	485,300	160	40	82.9	166.3	450,100	180	45	82.1	185.8	414,800			
	38	82.7	146.4	484,900		45	81.1	165.5	447,000		50	80.5	184.9	398,900			
	40	81.9	146.1	484,500		50	79.3	164.5	400,500		55	78.8	183.9	344,100			
	45	79.8	145.2	449,000		55	77.4	163.4	345,700		60	77.2	182.8	302,000			
	50	77.7	144.0	401,700		60	75.6	162.1	303,600		65	75.6	181.5	268,700			
	100	55	75.6	142.7		346,900	120	65	73.7		160.6	270,200	200	70	73.9	180.0	241,600
		60	73.4	141.2		304,800		70	71.8		159.0	243,200		75	72.2	178.4	219,200
		65	71.3	139.5		271,500		75	69.3		157.1	220,800		80	70.6	176.6	200,300
		70	69.1	137.6		244,400		80	68.0		155.1	201,900		85	68.8	174.7	184,300
		75	66.9	135.5		222,000		85	66.0		152.9	185,800		90	67.1	172.6	170,400
		105	80	64.6		133.1		203,100	140		90	64.0		150.4	172,000	220	95
	85		62.3	130.4		187,100	95	62.0			147.8	159,800	100	63.6	167.8		147,600
	90		59.9	127.5		173,200	100	59.9			144.9	149,200	105	61.8	165.1		138,200
95	57.5		124.4	161,100	105	57.8	141.7	139,800		110	60.0	162.2	129,800				
100	55.0		120.9	150,400	110	55.7	138.3	131,300		115	58.1	159.1	122,200				
110	105		52.4	117.0	141,000	160	115	53.4		134.6	123,800	240	120	56.2	155.7		115,400
	110		49.8	112.8	132,600		120	51.1		130.6	116,900		125	54.2	152.1		109,200
	115	47.0	108.2	125,000	125		48.8	126.2	110,700	130	52.2		148.2	103,500			
	120	44.1	103.0	118,200	130		46.3	121.5	105,100	135	50.1		144.1	98,300			
	125	41.0	97.3	112,000	135		43.7	116.3	99,900	140	48.0		139.6	93,600			
	130	130	37.6	90.9	106,300		180	140	41.0	110.6	95,200		260	145	45.8	134.7	89,200
135		34.0	83.7	101,100	145	38.1		104.3	90,800	150	43.5	129.5		85,100			
140		30.0	75.3	96,400	150	35.1		97.3	86,700	155	41.1	123.8		81,400			
					155	31.7		89.4	83,000	160	38.5	117.6		77,900			
					160	28.0		80.3	79,500	165	35.8	110.8		74,600			
											170	32.9		103.2	71,600		
									175	29.8	94.7	68,700					
									180	26.3	84.9	66,000					
														185	33.9	116.9	62,300
														190	31.2	108.7	60,000
														195	28.2	99.7	57,700
														200	24.9	89.2	55,600

Capacities continued on reverse side.

WARNING! CHECK AMOUNT OF AUX. CTWT. ON MACHINE BEFORE USE OF THIS CHART.

