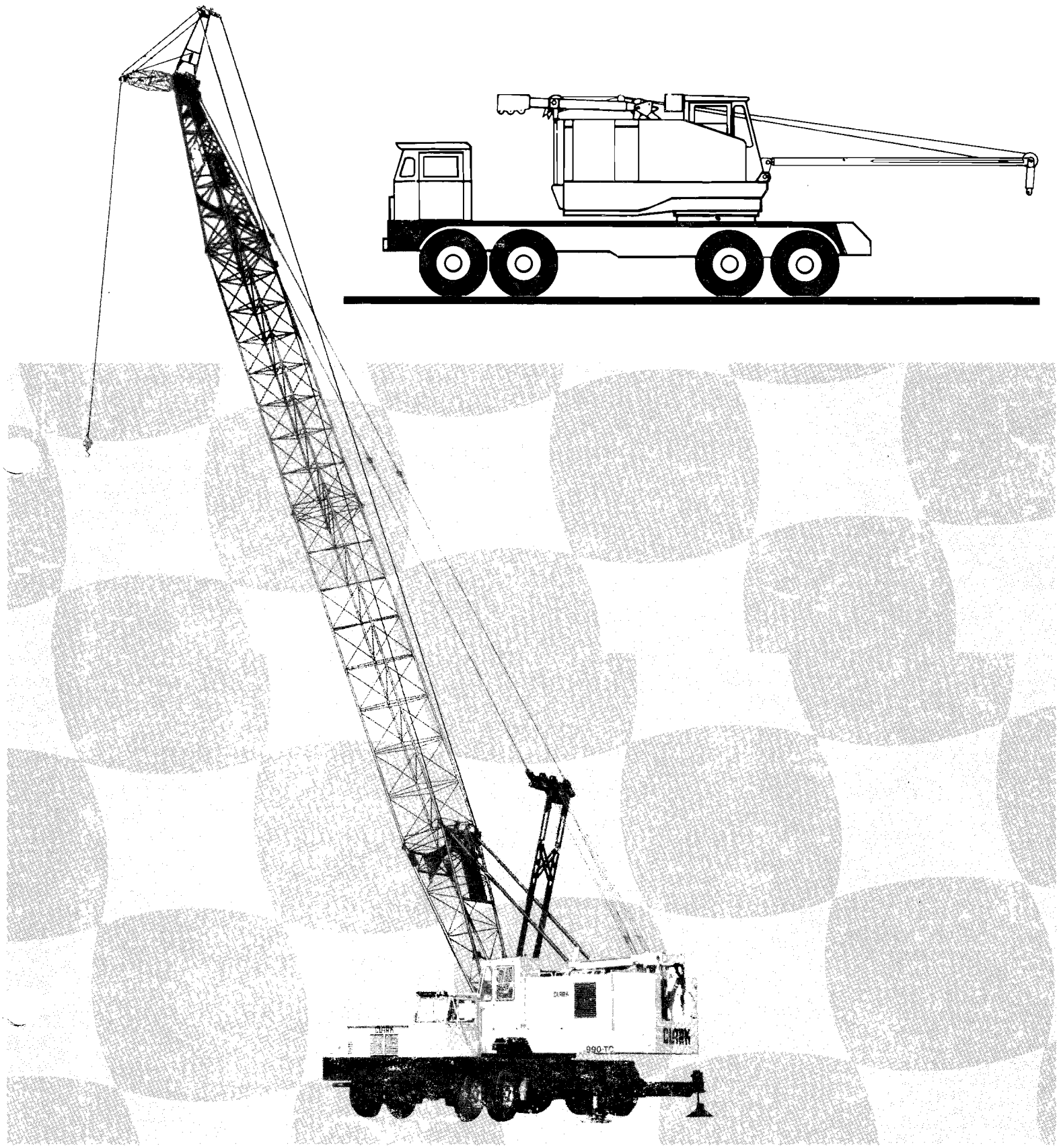
CLARK Crane Division 990-TC

Jib Capacity Charts



CAPACITY CHART — MINIMUM OFFSET

CAPACITIES — BOOM PLUS 20′ JIB AT MINIMUM OFFSET

R	A	Cap
50 FT BOOM		
20′	76	*33,600
30′	68	*33,600
40′	58	*33,600
50′	48	*33,600
60′	36	27,500
70′	17	22,200
60 FT BOOM		
20′	78	*33,600
30′	71	*33,600
40′	63	*33,600
50′	54	*33,600
60′	45	27,300
70′	33	22,000
80′	15	18,200
70 FT BOOM		
20′	79	*33,600
30′	73	*33,600
40′	66	*33,600
50′	59	*33,600
60′	51	27,100
70′	42	21,800
80′	31	18,000
90′	15	15,200

R	A	Cap
80 FT BOOM		
30′	74	*33,600
40′	68	*33,600
50′	62	*33,600
60′	55	27,000
70′	48	21,700
80′	40	17,900
90′	30	15,000
100′	14	12,800
90 FT BOOM		
30′	76	*33,600
40′	70	*33,600
50′	65	*33,600
60′	59	26,800
70′	53	21,500
80′	46	17,700
90′	38	14,800
100′	28	12,600
110′	13	10,800
100 FT BOOM		
30′	77	*33,600
40′	72	*33,600
50′	67	*33,600
60′	62	26,600
70′	56	21,300
80′	50	17,500
90′	44	14,600
100	36	12,400
110′	27	10,600
120′	13	9,100

R	A	Cap
110 FT BOOM		
30′	78	*33,600
40′	73	*33,600
50′	69	*33,600
60′	64	26,500
70′	59	21,200
80′	54	17,400
90′	48	14,500
100′	42	12,300
110′	35	10,500
120′	26	9,100
130′	12	7,800
120 FT BOOM		
30′	79	*33,600
40′	75	*33,600
50′	70	*33,600
60′	66	26,300
70′	61	21,000
80′	57	17,200
90′	52	14,300
100′	46	12,100
110′	40	10,300
120′	33	8,900
130′	25	7,700
140′	12	6,600

R	A	Cap
130 FT BOOM		
40′	75	*33,600
50′	72	*33,600
60′	68	26,100
70′	63	20,800
80′	59	17,000
90′	54	14,100
100′	50	11,900
110′	44	10,100
120′	39	8,600
130′	32	7,400
140′	24	6,400
150′	11	5,500
140 FT BOOM		
40′	77	*33,600
50′	73	*33,600
60′	69	25,900
70′	65	20,600
80′	61	16,800
90′	57	13,900
100′	53	11,700
110′	48	9,900
120′	43	8,400
130′	37	7,200
140′	31	6,200
150′	23	5,300
160′	11	4,500

R	A	Cap
150 FT BOOM		
40′	77	*33,600
50′	74	*33,600
60′	70	25,800
70′	67	20,400
80′	63	16,000
90′	59	13,800
100′	55	11,500
110′	51	9,700
120′	46	8,300
130′	42	7,100
140′	36	6,000
150′	30	5,200
160′	22	4,400
170′	10	3,700
§ 160 FT. BOOM		
40′	78	*33,600
50′	75	33,400
60′	71	25,300
70′	68	20,000
80	65	16,100
90′	61	13,300
100′	57	11,000
110′	53	9,200
120′	49	7,800
130′	45	6,600
140′	40	5,500
150′	35	4,600
160′	29	3,800
170′	22	3,200
180′	10	2,500

R	A	Cap
§170 FT BOOM		
40′	79	*33,000
50′	76	*31,300
60′	72	25,400
70′	69	20,000
80′	66	16,100
90′	63	13,200
100′	59	11,000
110′	56	9,200
120′	52	7,700
130′	48	6,500
140′	44	5,500
150′	39	4,600
160′	34	3,800
170′	28	3,100
180′	21	2,500
§180 FT BOOM		
40′	79	*29,700
50′	76	*28,300
60′	73	25,100
70′	70	19,700
80′	67	15,800
90′	64	13,000
100′	61	10,700
110′	57	8,900
120′	54	7,500
130′	50	6,200
140′	47	5,200
150′	42	4,300
160′	38	3,500
170′	33	2,800
180′	28	2,200

R	A	Cap
§ 190 FT BOOM		
50′	77	*25,700
60′	74	*24,500
70′	71	19,600
80′	68	15,700
90′	65	12,800
100′	62	10,600
110′	59	8,800
120′	56	7,300
130′	53	6,100
140′	49	5,000
150′	45	4,200
160′	41	3,400
170′	37	2,700
180′	32	2,100
§200 FT BOOM		
50′	77	*22,700
60′	75	*22,000
70′	72	19,500
80′	69	15,600
90′	66	12,700
100′	64	10,400
110′	61	8,600
120′	58	7,100
130′	55	5,900
140′	51	4,900
150′	48	4,000
160′	44	3,200
170′	40	2,500

CAPACITIES — BOOM PLUS 30′ JIB AT MINIMUM OFFSET

R	A	Cap
50 FT BOOM		
20′	79	*33,600
30′	72	*33,600
40′	64	*33,600
50′	56	*23,400
60′	46	*21,200
70′	35	*18,500
80′	17	*16,500
60 FT BOOM		
30′	74	*33,600
40′	67	*33,600
50′	60	*28,900
60′	52	*23,400
70′	43	*19,700
80′	32	18,500
90′	16	15,600
70 FT BOOM		
30′	75	*33,600
40′	69	*33,600
50′	63	*33,600
60′	56	*26,300
70′	49	*21,200
80′	41	18,300
90′	31	15,400
100′	15	13,100
80 FT BOOM		
30′	77	*33,600
40′	71	*33,600
50′	66	*33,600
60′	60	27,200
70′	53	21,900
80′	47	18,100
90′	39	15,200
100′	29	13,000
110′	14	11,200

R	A	Cap
90 FT BOOM		
30′	78	*33,600
40′	73	*33,600
50′	68	*33,600
60′	62	27,000
70′	57	21,700
80′	51	17,900
90′	44	15,000
100′	37	12,700
110′	28	10,900
120′	13	9,400
100 FT. BOOM		
30′	79	*33,600
40′	74	*33,600
50′	70	*33,600
60′	65	26,800
70′	60	21,500
80′	54	17,700
90′	49	14,800
100′	42	12,600
110′	35	10,800
120′	26	9,300
130′	13	8,000
110 FT BOOM		
40′	75	*33,600
50′	71	*33,600
60′	67	26,700
70′	62	21,400
80′	57	17,500
90′	52	14,700
100′	47	12,400
110′	41	10,600
120′	34	9,200
130′	25	7,900
140′	12	6,900

R	A	Cap
120 FT BOOM		
40′	76	*33,600
50′	72	*33,600
60′	68	26,500
70′	64	21,200
80′	60	17,300
90′	55	14,500
100′	50	12,200
110′	45	10,400
120′	39	9,000
130′	33	7,700
140′	24	6,700
150′	12	5,800
130 FT BOOM		
40′	77	*33,600
50′	73	*33,600
60′	70	26,300
70′	65	21,000
80′	62	17,100
90′	58	14,200
100′	53	12,000
110	49	10,200
120′	43	8,700
130′	38	7,500
140′	32	6,500
150′	24	5,600
160′	11	4,700

R	A	Cap
140 FT BOOM		
40′	78	*33,600
50′	74	*33,600
60′	71	26,200
70′	67	20,800
80′	64	16,900
90′	60	14,000
100′	56	11,800
110′	51	10,000
120′	47	8,500
130′	42	7,300
140′	37	6,300
150′	31	5,400
160′	23	4,600
170′	11	3,900
150 FT BOOM		
40′	79	*33,600
50′	75	*33,600
60′	72	26,000
70′	69	20,600
80′	65	16,800
90′	61	13,900
100′	58	11,600
110′	54	9,800
120′	50	8,400
130′	45	7,100
140′	41	6,100
150′	36	5,200
160	30	4,400
170′	22	3,700
180′	10	3,100

R	A	Cap
§160 FT BOOM		
40′	79	*33,300
50′	76	*31,500
60′	73	25,600
70′	70	20,200
80′	66	16,300
90′	63	13,400
100′	60	11,100
110′	56	9,300
120′	52	7,900
130′	48	6,600
140′	44	5,600
150′	40	4,700
160′	35	3,900
170′	29	3,200
180′	22	2,600
190′	10	2,000
§ 170 FT BOOM		
50′	77	*29,600
60′	74	25,600
70′	71	20,200
80′	68	16,300
90′	65	13,400
100′	61	11,100
110′	58	9,300
120′	54	7,800
130′	51	6,600
140′	47	5,500
150′	43	4,600
160′	39	3,900
170′	34	3,200
180′	28	2,600
190′	21	2,000

R	A	Cap
§ 180 FT BOOM		
50′	77	*27,000
60′	75	*25,400
70′	72	19,900
80′	69	16,000
90′	66	13,100
100′	63	10,800
110	60	9,000
120′	56	7,500
130′	53	6,300
140′	50	5,300
150′	46	4,400
160′	42	3,600
170′	38	2,900
180′	33	2,300
§ 190 FT BOOM		
50′	78	*25,100
60′	75	*23,600
70′	73	19,800
80′	70	15,900
90′	67	13,000
100′	64	10,700
110′	61	8,900
120′	58	7,400
130′	55	6,200
140′	52	5,100
150′	48	4,200
160′	45	3,400
170′	41	2,700
180′	37	2,100

R	A	Cap
§200 FT BOOM		
60′	76	*22,200
70′	73	19,700
80′	71	15,700
90′	68	12,800
100′	65	10,500
110′	62	8,700
120′	60	7,200
130′	57	6,000
140′	54	4,900
150′	50	4,000
160′	47	3,300
170′	44	2,600
180′	40	2,000

CAPACITIES — BOOM PLUS 40′ JIB AT MINIMUM OFFSET

R	A	Cap
50 FT BOOM		
30′	75	*33,600
40′	68	*22,500
50′	61	*19,600
60′	53	*17,400
70′	44	*15,000
80′	33	*13,900
90′	16	*12,200
60 FT BOOM		
30′	76	*33,600
40′	70	*27,500
50′	64	*22,500
60′	57	*19,600
70′	50	*16,800
80′	41	*15,000
90′	31	*13,100
100′	15	*12,200
70 FT BOOM		
30′	77	*33,600
40′	72	*27,500
50′	66	*22,500
60′	60	*19,600
70′	54	*17,400
80′	47	*16,800
90′	39	*15,000
100′	30	*13,100
110′	15	11,400
80 FT. BOOM		
30′	78	*33,600
40′	73	*33,600
50′	68	*22,500
60′	63	*22,500
70′	57	*19,600
80′	51	*17,400
90′	45	15,300
100′	37	13,100
110′	28	11,300
120′	14	9,800

R	A	Cap
90 FT. BOOM		
30′	79	*33,600
40′	75	*33,600
50′	70	*27,500
60′	65	*22,500
70′	60	*19,600
80′	55	*17,400
90′	49	15,100
100′	43	12,800
110′	36	11,000
120′	27	9,600
130′	13	8,300
100 FT BOOM		
40′	76	*33,600
50′	72	*27,500
60′	67	*22,500
70′	63	*19,600
80′	58	17,800
90′	53	14,900
100′	47	12,600
110′	41	10,900
120′	34	9,400
130′	26	8,100
140′	13	7,000
110 FT. BOOM		
40′	77	*33,600
50′	73	*27,500
60′	69	26,800
70′	65	21,500
80′	60	17,600
90′	56	14,700
100′	51	12,500
110′	45	10,700
120′	40	9,200
130′	33	8,000
140′	25	6,900
150′	12	6,000

R	A	Cap
120 FT BOOM		
40′	78	*33,600
50′	74	*33,600
60′	70	26,700
70′	66	21,300
80′	62	17 400
90′	58	14,500
100′	54	12,300
110′	49	10,500
120′	44	9,000
130′	38	7,800
140′	32	6,700
150′	24	5,800
160′	12	5,000
130 FT BOOM		
40′	78	*33,600
50′	75	*33,600
60′	71	26,500
70′	68	21,100
80′	64	17,200
90′	60	14,300
100′	56	12,100
110′	52	10,300
120′	47	8,800
130′	42	7,600
140′	37	6,500
150′	31	5,600
160′	23	4,800
170′	11	4,100

R	A	Cap
140 FT BOOM		
40′	79	*33,600
50′	76	*33,600
60′	72	26,300
70′	69	20,900
80′	65	17,000
90′	62	14,100
100′	58	11,900
110′	54	10,100
120′	50	8,600
130′	46	7,300
140′	41	6,300
150′	36	5,400
160′	30	4,600
170′	23	3,900
180′	11	3,300
150 FT BOOM		
50′	75	*33,600
60′	73	26,100
70′	70	20,700
80′	67	16,800
90′	63	13,900
100′	60	11,700
110′	56	9,900
120′	53	8,400
130′	49	7,200
140′	45	6,100
150′	40	5,200
160′	35	4,400
170′	29	3,800
180′	22	3,100
190′	10	2,600

R	A	Cap
§160 FT BOOM		
50′	77	*29,400
60′	74	25,800
70′	71	20,300
80′	68	16,400
90′	65	13,500
100′	62	11,200
110′	58	9,400
120′	55	7,900
130′	51	6,700
140′	47	5,600
150′	43	4,700
160′	39	4,000
170′	34	3,300
180′	28	2,600
190′	21	2,100
§ 170 FT BOOM		
50′	78	*28,000
60′	75	25,800
70′	72	20,300
80′	69	16,400
90′	66	13,500
100′	63	11,200
110′	60	9,400
120′	57	7,900
130′	53	6,600
140′	50	5,600
150′	46	4,700
160′	42	3,900
170′	38	3,200
180′	33	2,600
190′	29	2,000

R	A	Cap
§ 180 FT BOOM		
50′	78	*26,100
60′	76	*24,900
70′	73	20,000
80′	70	16,100
90′	67	13,200
100′	64	10,900
110′	61	9,100
120′	58	7,600
130′	55	6,300
140′	52	5,300
150′	49	4,400
160′	45	3,600
170′	41	2,900
180′	37	2,300
§ 190 FT. BOOM		
50′	79	*24,700
60′	76	*23,000
70′	74	*19,900
80′	71	16,000
90′	68	13,000
100′	66	10,800
110′	63	8,900
120′	60	7,400
130′	57	6,200
140′	54	5,100
150′	51	4,200
160′	47	3,500
170′	44	2,800
180′	40	2,200

R	A	Cap
§ 200 FT. BOOM		
60′	77	*22,600
70′	74	19,800
80′	72	15,800
90′	69	12,900
100′	67	10,600
110′	64	8,800
120′	61	7,300
130′	58	6,000
140′	56	5,000
150′	53	4,100
160′	50	3,300
170′	46	2,600
180′	43	2,000

R = Load Radius from C of rotation

A = Angle of boom C to horizontal. Boom angles shown in these charts are in the unloaded condition of the boom. True load radius must be known and the boom angle should not be relied on to determine it.

Cap = Capacity in pounds; on outriggers with counterweights #1 and #2; over side or rear. Capacities marked by an asterisk (*) are the maximum loads permitted by the structural strength of the parts and are not based upon the stability of the machine.

§ = Midpoint Suspension Requirements: Midpoint suspension is required on boom 160′ or more in lenth, and shall be attached to the boom 100′ from the boom foot pins. This requirement is the same with a jib mounted on the boom.

CAPACITIES — BOOM PLUS 50′ JIB AT MINIMUM OFFSET

R	A	Cap
50 FT BOOM		
30′	77	*29,100
40′	70	*23,000
50′	64	*18,500
60′	57	*16,000
70′	50	*12,500
80′	42	*11,400
90′	32	*10,200
100′	16	* 9,400
60 FT. BOOM		
30′	78	*33,600
40′	72	*23,000
50′	67	*18,500
60′	61	*16,000
70′	54	*14,100
80′	47	*12,500
90′	40	*11,400
100′	30	*10,200
110′	15	* 9,400
70 FT BOOM		
30′	79	*33,600
40′	74	*23,000
50′	69	*23,000
60′	63	*18,500
70′	58	*16,000
80′	52	*14,100
90′	45	*12,500
100′	38	*10,800
110′	28	*10,200
120′	14	* 9,300
80 FT BOOM		
40′	75	*29,100
50′	70	*23,000
60′	66	*18,500
70′	61	*16,000
80′	55	*14,100
90′	50	*12,500
100′	43	*11,400
110′	36	*10,800
120′	27	10,000
130′	13	8,700

R	A	Cap
90 FT BOOM		
40′	75	*29,100
50′	72	*23,000
60′	67	*18,500
70′	63	*18,500
80′	58	*16,000
90′	53	*14,100
100′	48	*12,500
110′	42	11,200
120′	35	9,700
130′	26	8,500
140′	13	7,400
100 FT BOOM		
40′	77	*29,100
50′	73	*23,000
60′	69	*23,000
70′	65	*18,500
80′	60	*16,000
90′	56	*14,100
100′	51	12,800
110′	46	11,000
120′	40	9,500
130′	33	8,300
140′	25	7,200
150′	12	6,300
110 FT BOOM		
40′	78	*33,600
50′	74	*23,000
60′	70	*23,000
70′	66	*18,500
80′	62	17,800
90′	58	14,900
100′	54	12,600
110′	49	10,800
120′	44	9,400
130′	39	8,100
140′	32	7,100
150′	24	6,200
160′	12	5,400

R	A	Cap
120 FT BOOM		
40′	79	*33,600
50′	75	*29,100
60′	71	*23,000
70′	68	*18,500
80′	64	17,600
90′	60	14,700
100′	56	12,400
110′	52	10,600
120′	48	9,100
130′	43	7,900
140′	37	6,900
150′	31	6,000
160′	23	5,200
170′	11	4,500
130 FT. BOOM		
40′	79	*33,600
50′	76	*29,100
60′	73	*23,000
70′	69	21,200
80′	66	17,400
90′	62	14,400
100′	58	12,200
110′	54	10,400
120′	50	8,900
130′	46	7,700
140′	41	6,600
150′	36	5,700
160′	30	4,900
170′	23	4,200
180′	11	3,600

R	A	Cap
140 FT BOOM		
50′	77	*29,100
60′	73	*23,000
70′	70	21,000
80′	67	17,100
90′	64	14,200
100′	60	12,000
110′	57	10,200
120′	53	8,700
130′	49	7,500
140′	45	6,400
150′	40	5,500
160′	35	4,700
170′	29	4,000
180′	22	3,400
190′	11	2,800
150 FT BOOM		
50′	77	*29,100
60′	74	26,300
70′	71	20,900
80′	68	17,000
90′	65	14,100
100′	62	11,800
110′	58	10,000
120′	55	8,500
130′	51	7,300
140′	48	6,200
150′	43	5,300
160′	39	4,600
170′	34	3,900
180′	28	3,300
190′	21	2,700
200′	10	2,200

R	A	Cap
§ 160 FT BOOM		
50′	78	*27,200
60′	75	*25,300
70′	72	20,500
80′	69	16,600
90′	66	13,600
100′	63	11,400
110′	60	9,500
120′	57	8,100
130′	54	6,800
140′	50	5,800
150′	46	4,900
160′	42	4,100
170′	38	3,400
180′	33	2,800
190′	28	2,200
§ 170 FT BOOM		
50′	78	*25,800
60′	76	*24,500
70′	73	20,500
80′	70	16,500
90′	67	13,600
100′	65	11,300
110′	62	9,500
120′	59	8,000
130′	55	6,700
140′	52	5,700
150′	49	4,800
160′	45	4,000
170′	41	3,300
180′	37	2,700
190′	32	2,100

R	A	Cap
§ 180 FT BOOM		
50′	79	*25,100
60′	76	*23,200
70′	74	20,200
80′	71	16,300
90′	68	13,300
100′	66	11,000
110′	63	9,200
120′	60	7,700
130′	57	6,500
140′	54	5,400
150′	51	4,500
160′	48	3,700
170′	44	3,000
180	40	2,400
§ 190 FT. BOOM		
50′	79	*23,700
60′	77	*22,500
70′	74	20,100
80′	72	16,100
90′	69	13,200
100′	67	10,900
110′	64	9,100
120′	61	7,600
130′	59	6,300
140′	56	5,300
150′	53	4,300
160′	50	3,600
170′	46	2,900
180′	43	2,300

R	A	Cap
§ 200 FT BOOM		
60′	77	*22,600
70′	75	*19,900
80′	73	16,000
90′	70	13,000
100′	68	10,700
110′	65	8,900
120′	63	7,400
130′	60	6,100
140′	57	5,100
150′	55	4,200
160′	52	3,400
170′	49	2,700
180′	45	2,100

CAPACITIES — BOOM PLUS 60′ JIB AT MINIMUM OFFSET

R	A	Cap
50 FT. BOOM		
30′	78	*23,700
40′	72	*18,000
50′	67	*15,000
60′	61	*12,800
70′	54	*11,300
80′	48	*10,000
90′	40	* 9,100
100′	30	* 7,900
110′	15	* 7,400
60 FT BOOM		
30′	79	*23,700
40′	74	*23,700
50′	69	*18,000
60′	63	*15,000
70′	58	*12,800
80′	52	*11,300
90′	45	*10,000
100′	38	* 9,100
110′	29	* 7,900
120′	14	* 7,400
70 FT BOOM		
40′	75	*23,700
50′	70	*18,000
60′	66	*15,000
70′	61	*12,800
80′	55	*11,300
90′	50	*11,300
100′	43	*10,000
110′	36	* 8,500
120′	27	* 7,900
130′	14	* 7,400

R	A	Cap
80 FT. BOOM		
40′	76	*23,700
50′	72	*18,000
60′	67	*18,000
70′	63	*15,000
80′	58	*12,800
90′	53	*11,300
100′	48	*10,000
110′	42	* 9,100
120′	35	* 8,500
130′	26	* 7,900
140′	13	* 7,200
90 FT BOOM		
40′	77	*23,700
50′	73	*18,000
60′	69	*18,000
70′	65	*15,000
80′	60	*12,800
90′	56	*12,800
100′	51	*11,300
110′	46	*10,000
120′	40	* 9,100
130′	33	8,500
140′	25	7,400
150′	12	6,500

R	A	Cap
100 FT BOOM		
40′	78	*23,700
50′	74	*23,700
60′	70	*18,000
70′	66	*15,000
80′	62	*15,000
90′	58	*12,800
100′	54	*11,300
110′	49	*10,000
120′	44	9,500
130′	39	8,300
140′	32	7,200
150′	24	6,300
160′	12	5,500
110 FT BOOM		
40′	79	*23,700
50′	75	*23,700
60′	72	*18,000
70′	68	*18,000
80′	64	*15,000
90′	60	*12,300
100′	56	12,600
110′	52	10,800
120′	48	9,300
130′	43	8,100
140′	37	7,100
150′	31	6,200
160′	24	5,400
170′	11	4,700

R	A	Cap
120 FT BOOM		
40′	79	*23,700
50′	76	*23,700
60′	73	*18,000
70′	69	*18,000
80′	66	*15,000
90′	62	14,700
100′	58	12,400
110′	55	10,600
120′	50	9,100
130′	46	7,900
140′	41	6,900
150′	36	6,000
160′	30	5,200
170′	23	4,500
180′	11	3,800
130 FT BOOM		
50′	77	*23,700
60′	74	*23,700
70′	70	*18,000
80′	67	*15,000
90′	64	14,400
100′	60	12,200
110′	57	10,400
120′	53	8,900
130′	49	7,700
140′	45	6,600
150′	40	5,700
160′	35	4,900
170′	29	4,200
180′	22	3,600
190′	11	3,000

R	A	Cap
140 FT BOOM		
50′	77	*23,700
60′	74	*23,700
70′	71	*18,000
80′	68	17,100
90′	65	14,200
100′	62	12,000
110′	59	10,200
120′	55	8,700
130′	51	7,400
140′	48	6,400
150′	44	5,500
160′	39	4,700
170′	34	4,000
180′	29	3,400
190′	21	2,900
200′	10	2,300
150 FT BOOM		
50′	78	*23,500
60′	75	*23,500
70′	72	*18,000
80′	69	17,000
90	66	14,000
100′	63	11,800
110′	60	10,000
120′	57	8,500
130′	54	7,300
140′	50	6,200
150′	46	5,300
160′	42	4,500
170′	38	3,800
180′	33	3,200
190′	28	2,700
200′	21	2,200

R	A	Cap
§ 160 FT BOOM		
60′	76	*23,200
70′	73	*18,000
80′	70	16,600
90′	67	13,600
100′	65	11,300
110′	62	9,500
120′	59	8,000
130′	55	6,800
140′	52	5,700
150	49	4,800
160′	45	4,100
170′	41	3,400
180′	37	2,800
190′	32	2,200
§ 170 FT BOOM		
60′	76	*22,300
70′	74	20,400
80′	71	16,500
90′	68	13,600
100′	66	11,300
110′	63	9,500
120	60	8,000
130′	57	6,700
140′	54	5,700
150′	51	4,800
160′	48	4,000
170′	44	3,300
180′	40	2,700
190′	36	2,100

R	A	Cap
§ 180 FT BOOM		
60′	77	*22,200
70′	74	20,200
80′	72	16,300
90′	69	13,300
100′	67	11,000
110′	64	9,200
120′	61	7,700
130′	59	6,400
140′	56	5,400
150′	53	4,500
160′	50	3,700
170	47	3,000
180′	43	2,400
§ 190 FT BOOM		
60′	77	*21,500
70	75	20,000
80′	73	16,100
90′	70	13,200
100′	68	10,900
110	65	9,000
120′	63	7,500
130′	60	6,300
140′	57	5,200
150′	55	4,300
160′	52	3,500
170′	49	2,800
180′	46	2,200

CAPACITY CHART — INTERMEDIATE OFFSET

CAPACITY — BOOM PLUS 20′ JIB AT INTERMEDIATE OFFSET

R	A	Cap
50 FT BOOM		
20′	79	*33,600
30′	70	*33,600
40′	61	*33,600
50′	51	*29,800
60′	38	*26,500
70′	19	22,200
60 FT BOOM		
30′	73	*33,100
40′	65	*32,800
50′	57	*32,200
60′	47	*27,400
70′	35	22,100
80′	17	18,200
70 FT BOOM		
30′	75	*32,800
40′	68	*32,300
50′	61	*31,700
60′	53	27,300
70′	44	22,000
80′	33	18,100
90′	16	15,200
80 FT BOOM		
30′	76	*32,600
40′	70	*32,000
50′	64	*31,200
60′	57	27,200
70′	50	21,800
80′	41	18,000
90′	31	15,100
100′	15	12,800

R	A	Cap
90 FT BOOM		
30′	78	*32,700
40′	72	*31,700
50′	66	*30,700
60′	60	27,000
70′	54	21,600
80′	47	17,800
90′	39	14,900
100′	29	12,700
110′	14	10,800
100 FT BOOM		
30′	79	*32,600
40′	74	*31,700
50′	68	*30,500
60′	63	26,900
70′	58	21,500
80′	52	17,600
90′	45	14,800
100′	37	12,500
110′	28	10,700
120′	13	9,200
110 FT BOOM		
30′	79	*32,500
40′	75	*31,500
50′	70	*30,300
60′	65	26,800
70′	60	21,400
80′	55	17,500
90′	49	14,700
100′	43	12,400
110′	36	10,600
120′	27	9,100

R	A	Cap
120 FT BOOM		
40′	76	*31,500
50′	72	*30,500
60′	67	26,600
70′	63	21,200
80′	58	17,400
90′	53	14,500
100′	47	12,200
110′	41	10,400
120′	34	8,900
130′	26	7,700
130 FT BOOM		
40′	77	*31,500
50′	73	*30,200
60′	69	26,400
70′	65	21,000
80′	60	17,200
90′	56	14,300
100′	51	12,000
110′	46	10,200
120′	40	8,700
130′	33	7,500
140′	25	6,400

R	A	Cap
140 FT BOOM		
40′	78	*31,500
50′	74	*30,200
60′	70	26,300
70′	66	20,800
80′	62	17,000
90′	58	14,100
100′	54	11,800
110′	49	10,000
120′	44	8,500
130′	38	7,300
140′	32	6,200
150′	24	5,300
150 FT BOOM		
40′	78	*31,500
50′	75	*30,200
60′	71	26,100
70′	68	20,700
80′	64	16,800
90′	60	13,900
100′	56	11,700
110′	52	9,900
120′	47	8,400
130′	42	7,200
140′	37	6,100
150′	31	5,200
160′	23	4,400

R	A	Cap
§ 160 FT BOOM		
40′	79	*30,500
50′	76	*28,700
60′	72	25,700
70′	69	20,300
80′	66	16,400
90′	62	13,500
100′	58	11,200
110′	54	9,400
120′	50	7,900
130′	46	6,700
140′	41	5,600
150	36	4,700
160′	30	3,900
170′	22	3,200
§ 170 FT BOOM		
50′	76	*25,200
60′	73	*24,500
70′	70	20,300
80′	67	16,400
90′	64	13,500
100′	60	11,200
110′	56	9,400
120′	53	7,900
130′	49	6,600
140′	45	5,600
150′	40	4,700
160	35	3,900
170′	29	3,200
180′	22	2,500

R	A	Cap
§ 180 FT BOOM		
50′	77	*24,300
60′	74	*22,500
70′	71	20,000
80′	68	16,100
90′	65	13,200
100′	62	10,900
110′	58	9,100
120′	55	7,600
130′	51	6,400
140′	47	5,300
150′	43	4,400
160′	39	3,600
170′	34	2,900
180′	28	2,300
§ 190 FT BOOM		
50′	78	*22,500
60′	75	*20,700
70′	72	*18,900
80′	69	16,000
90′	66	13,100
100′	63	10,800
110′	60	9,000
120′	57	7,500
130′	53	6,200
140′	50	5,200
150′	46	4,300
160′	42	3,500
170′	38	2,800
180′	33	2,200

R	A	Cap
§ 200 FT BOOM		
50′	78	*20,000
60′	76	*18,600
70′	73	*17,000
80′	70	15,900
90′	67	12,900
100′	64	10,600
110′	61	8,800
120′	58	7,300
130′	55	6,100
140′	52	5,000
150′	49	4,100
160′	45	3,300
170′	41	2,600
180′	37	2,000

CAPACITY — BOOM PLUS 30′ JIB AT INTERMEDIATE OFFSET

R	A	Cap
50 FT. BOOM		
30′	75	*33,600
40′	67	*26,300
50′	59	*21,200
60′	49	*19,700
70′	37	*17,500
80′	19	*16,500
60 FT BOOM		
30′	77	*33,00
40′	70	*28,200
50′	63	*23,400
60′	55	*21,200
70′	46	*18,500
80′	35	*16,900
90′	17	15,600
70 FT. BOOM		
30′	78	* 32,700
40′	72	* 29,500
50′	66	* 23,400
60′	59	* 21,200
70′	52	*19,700
80′	43	18,400
90′	33	15,500
100′	16	13,100
80 FT. BOOM		
30′	79	*32,300
40′	74	*30,800
50′	68	*26,300
60′	62	*23,400
70′	56	*21,200
80′	49	18,300
90′	41	15,300
100′	31	13,100

R	A	Cap
90 FT BOOM		
40′	75	*31,500
50′	70	*25,700
60′	65	*23,400
70′	59	*21,200
80′	53	18,100
90′	46	15,100
100′	39	12,900
110′	29	11,000
100 FT BOOM		
40′	76	*31,100
50′	72	*27,300
60′	67	*26,300
70′	62	21,800
80′	56	17,900
90′	51	15,000
100′	44	12,700
110′	37	10,900
120′	28	9,400
110 FT BOOM		
40′	77	*30,800
50′	73	*27,900
60′	69	*26,300
70′	64	21,700
80′	59	17,800
90′	54	14,900
100′	49	12,600
110′	42	10,800
120′	35	9,300
130′	27	8,000

R	A	Cap
120 FT. BOOM		
40′	78	*30,600
50′	74	*28,600
60′	70	*23,300
70′	66	21,500
80′	61	17,600
90′	57	14,700
100′	52	12,400
110′	47	10,600
120′	47	9,100
130′	34	7,800
140′	26	6,700
130 FT. BOOM		
40′	79	*30,400
50′	75	*29,500
60′	71	*24,000
70′	67	21,300
80′	63	17,400
90′	59	14,500
100′	55	12,200
110′	50	10,400
120′	45	8,900
130′	39	7,600
140′	33	6,500
150′	25	5,600

R	A	Cap
140 FT. BOOM		
50′	76	*29,200
60′	72	*24,600
70′	69	21,100
80′	65	17,200
90′	61	14,300
100′	57	12,000
110′	53	10,200
120′	48	8,700
130′	43	7,400
140′	38	6,400
150′	32	5,400
160′	24	4,600
150 FT. BOOM		
50′	77	*29,100
60′	73	*25,300
70′	70	*20,800
80′	67	17,100
90′	63	14,100
100′	59	11,900
110′	55	10,000
120′	51	8,500
130′	47	7,300
140′	42	6,200
150′	37	5,300
160′	31	4,500
170′	23	3,800

R	A	Cap
§ 160 FT. BOOM		
50′	77	*27,100
60′	74	*25,600
70′	71	20,600
80′	68	16,700
90′	64	13,700
100′	61	11,400
110′	57	9,600
120′	54	8,100
130′	50	6,800
140′	45	5,700
150′	41	4,800
160′	36	4,000
170′	30	3,300
180′	22	2,600
§ 170 FT. BOOM		
50′	78	*25,300
60′	75	*23,900
70′	72	20,600
80′	69	16,700
90′	66	13,700
100′	63	11,400
110′	59	9,500
120′	56	8,000
130′	52	6,800
140′	48	5,700
150′	44	4,800
160′	40	4,000
170′	35	3,200
180′	29	2,600
190′	22	2,000

R	A	Cap
§ 180 FT BOOM		
50′	79	*23,600
60′	76	*22,200
70′	73	20,400
80′	70	16,400
90′	67	13,400
100′	64	11,100
110′	61	9,300
120′	58	7,800
130′	54	6,500
140′	51	5,400
150′	47	4,500
160′	43	3,700
170′	39	3,000
180′	34	2,400
§ 190 FT. BOOM		
50′	79	*21,300
60′	76	*20,000
70′	74	*19,100
80′	71	16,300
90′	68	13,300
100′	65	11,000
110′	62	9,100
120′	59	7,600
130′	56	6,400
140′	53	5,300
150′	49	4,400
160′	46	3,600
170′	42	2,900
180′	38	2,200

R	A	Cap
§ 200 FT BOOM		
60′	77	*18,200
70′	74	*17,000
80′	72	*16,000
90′	69	13,200
100′	66	10,900
110′	64	9,000
120′	61	7,500
130′	58	6,200
140′	55	5,100
150′	52	4,200
160′	48	3,400
170′	45	2,700
180′	41	2,100

CAPACITY — BOOM PLUS 40′ JIB AT INTERMEDIATE OFFSET

R	A	Cap
50 FT. BOOM		
30′	79	*27,500
40′	72	*19,600
50′	65	*17,400
60′	57	*16,800
70′	48	*13,900
80′	37	*13,100
90′	19	*12,000
60 FT. BOOM		
40′	74	*22,500
50′	67	*19,600
60′	61	*17,400
70′	53	*15,000
80′	45	*13,900
90′	34	*12,600
100′	17	*11,900
70 FT. BOOM		
40′	75	*22,500
50′	70	*19,600
60′	64	*17,400
70′	57	*16,800
80′	50	*15,000
90′	42	*13,100
100′	32	*12,600
110′	16	11,500
80 FT. BOOM		
40′	77	*22,500
50′	71	*19,600
60′	66	*17,400
70′	60	*17,400
80′	54	*16,500
90′	48	*13,900
100′	40	*13,100
110′	31	11,400

R	A	Cap
90 FT. BOOM		
40′	78	*22,500
50′	73	*22,500
60′	68	*19,600
70′	63	*17,400
80′	58	*16,800
90′	52	*15,000
100′	45	13,000
110′	38	11,200
120′	29	9,600
100 FT. BOOM		
40′	78	*27,500
50′	74	*22,500
60′	70	*19,600
70′	65	*17,400
80′	60	*16,800
90′	55	15,100
100′	50	12,800
110′	44	11,000
120′	37	9,500
130′	28	8,200
110 FT. BOOM		
40′	79	*27,500
50′	75	*22,500
60′	71	*19,600
70′	67	*19,600
80′	62	*17,400
90′	58	15,000
100′	53	12,700
110′	48	10,900
120′	42	9,400
130′	35	8,100
140′	27	7,000

R	A	Cap
120 FT. BOOM		
50′	76	*22,500
60′	72	*22,500
70′	68	*19,600
80′	64	*17,400
90′	60	14,800
100′	56	12,500
110′	51	10,700
120′	46	9,200
130′	40	7,900
140′	34	6,800
150′	26	5,900
130 FT BOOM		
50′	77	*22,500
60′	73	*22,500
70′	70	*19,600
80′	66	*17,400
90′	62	14,600
100′	58	12,300
110′	54	10,500
120′	49	9,000
130′	44	7,700
140′	39	6,600
150′	53	5,700
160′	25	4,900

R	A	Cap
140 FT BOOM		
50′	78	*22,500
60′	74	*22,500
70′	71	*19,600
80′	67	17,400
90′	64	14,500
100′	60	12,100
110′	56	10,300
120′	52	8,800
130′	48	7,500
140′	43	6,400
150′	38	5,500
160′	32	4,700
170′	24	4,000
150 FT. BOOM		
50′	78	*27,500
60′	75	*22,500
70′	72	*19,600
80′	69	17,300
90′	65	14,300
100′	62	12,000
110′	58	10,200
120′	54	8,600
130′	50	7,400
140′	46	6,300
150′	42	5,400
160′	36	4,600
170′	31	3,800
180′	23	3,200

R	A	Cap
§ 160 FT. BOOM		
50′	79	*25,000
60′	76	*22,500
70′	73	20,900
80′	70	16,900
90′	67	13,900
100′	63	11,600
110′	60	9,700
120′	57	8,200
130′	53	6,900
140′	49	5,800
150′	45	4,900
160′	40	4,100
170′	35	3,400
180′	30	2,700
190′	22	2,100
§ 170 FT. BOOM		
50′	79	*23,200
60′	77	*22,500
70′	74	20,900
80′	71	16,900
90′	68	13,900
100′	65	11,600
110′	62	9,700
120′	58	8,100
130′	55	6,900
140′	51	5,800
150′	48	4,800
160′	44	4,000
170′	39	3,300
180′	34	2,700
190′	29	2,100

R	A	Cap
§ 180 FT. BOOM		
60′	77	*20,700
70′	74	*19,900
80′	72	16,600
90′	69	13,600
100′	66	11,300
110′	63	9,400
120′	60	7,900
130′	57	6,600
140′	54	5,500
150′	50	4,600
160′	46	3,800
170′	43	3,100
180′	38	2,400
§ 190 FT. BOOM		
60′	78	*19,100
70′	75	*18,200
80′	73	16,500
90′	70	13,500
100′	67	11,200
110′	64	9,300
120′	61	7,800
130′	58	6,500
140′	55	5,400
150′	52	4,400
160′	49	3,600
170′	45	2,900
180′	41	2,300

R	A	Cap
§ 200 FT. BOOM		
60′	78	*17,500
70′	76	*17,000
80′	73	*16,100
90′	71	13,400
100′	68	11,000
110′	65	9,100
120′	63	7,600
130′	60	6,300
140′	57	5,200
150′	54	4,300
160′	51	3,500
170′	48	2,800
180′	44	2,100

CAPACITY — BOOM PLUS 50′ JIB AT INTERMEDIATE OFFSET

R	A	Cap
50 FT. BOOM		
40′	75	*18,500
50′	69	*16,000
60′	62	*14,100
70′	55	*12,500
80′	46	*10,800
90′	36	* 9,700
100′	19	* 9,300
60 FT. BOOM		
40′	77	*18,500
50′	71	*16,000
60′	65	*14,100
70′	58	*12,500
80′	51	*11,400
90′	43	*10,800
100′	33	* 9,700
110′	17	* 9,300
70 FT BOOM		
40′	78	*18,500
50′	73	*18,500
60′	67	*16,000
70′	62	*14,100
80′	55	*12,500
90′	49	*11,400
100′	41	*10,200
110′	32	* 9,700
120′	16	* 9,300

R	A	Cap
80 FT. BOOM		
40′	79	*23,000
50′	74	*18,500
60′	69	*16,000
70′	64	*14,100
80′	59	*12,500
90′	53	*11,400
100′	46	*10,800
110′	39	*10,200
120′	30	* 9,700
130′	15	8,700
90 FT. BOOM		
40′	79	*23,000
50′	75	*18,500
60′	71	*16,000
70′	66	*16,000
80′	61	*14,100
90′	56	*12,500
100′	51	*11,400
110′	44	*10,800
120′	37	9,900
130′	29	8,600
100 FT. BOOM		
50′	76	*18,500
60′	72	*18,500
70′	68	*16,000
80′	63	*14,100
90′	59	*12,500
100′	54	*12,500
110′	49	11,200
120′	43	9,700
130′	36	8,400
140′	27	7,300

R	A	Cap
110 FT BOOM		
50′	77	*18,500
60′	73	*18,500
70′	69	*16,000
80′	65	*14,100
90′	61	*14,100
100′	57	*12,500
110′	52	11,100
120′	47	9,600
130′	41	8,300
140′	35	7,200
150′	26	6,200
120 FT BOOM		
50′	78	*18,500
60′	74	*18,500
70′	71	*16,000
80′	67	*15,000
90′	63	*14,100
100′	59	*12,500
110′	55	10,900
120′	50	9,400
130′	45	8,100
140′	40	7,000
150′	33	6,100
160′	25	5,200

R	A	Cap
130 FT. BOOM		
50′	78	*23,000
60′	75	*18,500
70′	72	*16,000
80′	68	*16,000
90′	65	*14,100
100′	61	12,500
110′	57	10,700
120′	53	9,200
130′	48	7,900
140′	44	6,800
150′	38	5,900
160′	32	5,000
170′	24	4,300
140 FT. BOOM		
50′	79	*23,000
60′	76	*18,500
70′	73	*18,500
80′	69	*16,000
90′	66	14,700
100′	63	12,400
110′	59	10,500
120′	55	9,000
130′	51	7,700
140′	47	6,600
150′	42	5,700
160′	37	4,900
170′	31	4,100
180′	24	3,500

R	A	Cap
150 FT. BOOM		
60′	77	*18,500
70′	74	*18,500
80′	70	*16,000
90′	67	14,500
100′	64	12,200
110′	61	10,300
120′	57	8,800
130′	54	7,500
140′	50	6,500
150′	46	5,500
160′	41	4,700
170′	36	4,000
180′	30	3,300
190′	23	2,800
§ 160 FT. BOOM		
60′	77	*18,500
70′	74	*18,500
80′	71	*16,000
90′	68	*14,100
100′	65	11,800
110′	62	9,900
120′	59	8,400
130′	56	7,100
140′	52	6,000
150′	48	5,100
160′	44	4,300
170′	40	3,500
180′	35	2,900
190′	29	2,300

R	A	Cap
§ 170 FT. BOOM		
60′	78	*18,500
70′	75	*18,000
80′	72	*16,200
90′	69	14,100
100′	67	11,800
110′	64	9,900
120′	61	8,300
130′	57	7,100
140′	54	6,000
150′	51	5,000
160′	47	4,200
170′	43	3,500
180′	39	2,800
190′	34	2,300
§ 180 FT. BOOM		
60′	78	*18,600
70′	76	*17,400
80′	73	*15,600
90′	70	*13,800
100′	68	11,500
110′	65	9,600
120′	62	8,100
130′	59	6,800
140′	56	5,700
150′	53	4,800
160′	49	3,900
170′	46	3,200
180′	42	2,600
190′	38	2,000

R	A	Cap
§ 190 FT. BOOM		
60′	79	*18,400
70′	76	*16,400
80′	74	*15,000
90′	71	*13,000
100′	69	11,400
110′	66	9,500
120′	63	7,900
130′	60	6,700
140′	58	5,600
150′	55	4,600
160′	51	3,800
170′	48	3,100
180′	45	2,400
§ 200 FT BOOM		
60′	79	*17,600
70′	77	*16,100
80′	74	*14,000
90′	72	*12,500
100′	70	*11,000
110′	67	* 8,800
120′	64	7,800
130′	62	6,500
140′	59	5,400
150′	56	4,500
160′	53	3,600
170′	50	2,900
180′	47	2,300

CAPACITY — BOOM PLUS 60′ JIB AT INTERMEDIATE OFFSET

R	A	Cap
50 FT. BOOM		
40′	78	*18,000
50′	72	*15,000
60′	66	*12,800
70′	59	*11,300
80′	52	* 9,100
90′	44	* 8,500
100′	35	* 7,600
110′	18	* 7,200
60 FT. BOOM		
40′	79	*18,000
50′	73	*15,000
60′	68	*12,800
70′	62	*11,300
80′	56	*10,000
90′	50	* 9,100
100′	42	* 8,500
110′	33	* 7,600
120′	17	* 7,200
70 FT BOOM		
40′	79	*18,000
50′	75	*15,000
60′	70	*12,800
70′	65	*11,300
80′	59	*11,300
90′	54	*10,000
100′	47	* 9,100
110′	40	* 7,900
120′	31	* 7,600
130′	16	* 7,200

R	A	Cap
80 FT BOOM		
50′	76	*15,000
60′	71	*15,000
70′	67	*12,800
80′	62	*11,300
90′	57	*10,000
100′	51	* 9,100
110′	45	* 8,500
120′	38	* 7,900
130′	29	* 7,600
140′	15	* 7,200
90 FT BOOM		
50′	77	*15,000
60′	73	*15,000
70′	68	*12,800
80′	64	*11,300
90′	59	*11,300
100′	55	*10,000
110′	49	* 9,100
120′	43	* 8,500
130′	37	* 7,900
140′	28	* 7,400
150′	14	6,500

R	A	Cap
100 FT BOOM		
50′	78	*18,000
60′	74	*15,000
70′	70	*12,800
80′	66	*12,800
90′	62	*11,300
100′	57	*10,000
110′	53	* 9,100
120′	47	* 9,100
130′	42	8,500
140′	35	7,400
150′	27	6,400
110 FT. BOOM		
50′	78	*18,000
60′	75	*15,000
70′	71	*15,000
80′	67	*12,800
90′	64	*11,300
100′	59	*11,300
110′	55	*10,000
120′	51	* 9,100
130′	46	8,300
140′	40	7,200
150′	34	6,300
160′	26	5,500

R	A	Cap
120 FT. BOOM		
50′	79	*18,000
60′	76	*15,000
70′	72	*15,000
80′	69	*12,800
90′	65	*12,800
100′	61	*11,300
110′	57	*10,000
120′	53	9,400
130′	49	8,100
140′	44	7,100
150′	39	6,100
160′	33	5,300
170′	25	4,600
130 FT BOOM		
60′	76	*15,000
70′	73	*15,000
80′	70	*12,800
90′	67	*12,800
100′	63	*11,300
110′	59	10,700
120′	56	9,200
130′	52	7,900
140′	47	6,800
150′	43	5,900
160′	38	5,100
170′	32	4,300
180′	24	3,700

R	A	Cap
140 FT. BOOM		
60′	77	*18,000
70′	74	*15,000
80′	71	*12,800
90′	68	*12,800
100′	65	*11,300
110′	61	10,500
120′	58	9,000
130′	54	7,700
140′	50	6,600
150′	46	5,700
160′	42	4,900
170′	37	4,200
180′	31	3,500
190′	23	2,900
150 FT. BOOM		
60′	78	*18,000
70′	75	*15,000
80′	72	*15,000
90′	69	*12,800
100′	66	12,300
110′	63	10,400
120′	59	8,900
130′	56	7,600
140′	53	6,500
150′	49	5,500
160′	45	4,700
170′	40	4,000
180′	36	3,400
190′	30	2,800
200′	23	2,300

R	A	Cap
§ 160 FT. BOOM		
60′	78	*18,000
70′	76	*15,000
80′	73	*15,000
90′	70	*12,100
100′	67	11,900
110′	64	10,000
120′	61	8,400
130′	58	7,200
140′	55	6,100
150′	51	5,100
160′	47	4,300
170′	44	3,600
180′	39	2,900
190′	35	2,300
§ 170 FT BOOM		
60′	79	*18,000
70′	76	*15,000
80′	74	*15,000
90′	71	*12,800
100′	68	11,800
110′	65	9,900
120′	62	8,400
130′	59	7,100
140′	56	6,000
150′	53	5,000
160′	50	4,200
170′	46	3,500
180′	42	2,900
190′	38	2,300

R	A	Cap
§ 180 FT. BOOM		
60′	79	*18,000
70′	77	*15,000
80′	74	*15,000
90′	72	14,000
100′	69	11,600
110′	66	9,700
120′	64	8,100
130′	61	6,800
140′	58	5,700
150′	55	4,800
150′	52	4,000
170′	49	3,200
180′	45	2,600
190′	41	2,000
§ 190 FT BOOM		
70′	77	*17,200
80′	75	*15,000
90′	72	13,900
100′	70	11,500
110′	67	9,600
120′	65	8,000
130′	62	6,700
140′	59	5,600
150′	57	4,600
160′	54	3,800
170′	51	3,100
180′	48	2,500

CAPACITY CHART — MAXIMUM OFFSET

CAPACITY — BOOM PLUS 20′ JIB AT MAXIMUM OFFSET

R	A	Cap
50 FT BOOM		
30′	73	*33,600
40′	64	*31,800
50′	53	*28,000
60′	40	*25,400
60 FT BOOM		
30′	75	*33,600
40′	67	*31,000
50′	59	*28,200
60′	49	*25,000
70′	37	*21,000
70 FT BOOM		
30′	77	*33,600
40′	70	*31,000
50′	63	*28,300
60′	55	*25,300
70′	45	*21,500
80′	34	18,200
80 FT. BOOM		
30′	78	*33,600
40′	72	*31,000
50′	66	*28,300
60′	59	*25,300
70′	51	*22,000
80′	43	18,100
90′	32	15,200

R	A	Cap
90 FT. BOOM		
30′	79	*33,600
40′	74	*31,200
50′	68	*28,300
60′	62	*25,500
70′	56	21,800
80′	48	17,900
90′	40	15,000
100′	30	12,700
100 FT. BOOM		
40′	75	*31,000
50′	70	*28,300
60′	65	*25,700
70′	59	*22,500
80′	53	17,800
90′	46	14,800
100′	38	12,600
110′	29	10,700
110 FT. BOOM		
40′	76	*31,000
50′	72	*28,600
60′	67	*25,700
70′	62	21,600
80′	56	17,700
90′	50	14,800
100′	44	12,500
110′	37	10,700
120′	27	9,100

R	A	Cap
120 FT. BOOM		
40′	77	*30,800
50′	73	*28,500
60′	68	*25,200
70′	64	21,400
80′	59	17,500
90′	54	14,600
100′	48	12,300
110′	42	10,500
120′	35	9,000
130′	26	7,700
130 FT BOOM		
40′	78	*30,800
50′	74	*28,200
60′	70	*25,500
70′	66	21,200
80′	61	17,300
90′	57	14,400
100′	52	12,100
110′	46	10,300
120′	41	8,800
130′	34	7,500
140′	25	6,400

R	A	Cap
140 FT BOOM		
40′	79	*30,800
50′	75	*28,000
60′	71	*25,200
70′	67	21,100
80′	63	17,200
90′	59	14,200
100′	55	12,000
110′	50	10,100
120′	45	8,600
130′	39	7,400
140′	33	6,300
150′	24	5,300
150 FT BOOM		
50′	76	*28,000
60′	72	*25,000
70′	69	21,000
80′	65	17,000
90′	61	14,100
100′	57	11,800
110′	53	10,000
120′	48	8,500
130′	43	7,200
140′	38	6,200
150′	31	5,200
160′	23	4,400

R	A	Cap
§ 160 FT. BOOM		
50′	77	*25,000
60′	73	*22,000
70′	70	*20,300
80′	66	16,600
90′	63	13,700
100′	59	11,400
110′	55	9,500
120′	51	8,000
130′	47	6,700
140′	42	5,700
150′	37	4,700
160′	30	3,900
§ 170 FT BOOM		
50′	77	*22,700
60′	74	*20,300
70′	71	*18,600
80′	68	16,600
90′	64	13,700
100′	61	11,300
110′	57	9,500
120′	54	8,000
130′	50	6,700
140′	45	5,600
150′	41	4,700
160′	35	3,900
170′	29	3,200

R	A	Cap
§ 180 FT. BOOM		
50′	78	*21,500
60′	75	*19,000
70′	72	*17,000
80′	69	*15,500
90′	66	13,400
100′	63	11,100
110′	59	9,200
120′	56	7,700
130′	52	6,500
140′	48	5,400
150′	44	4,500
160′	39	3,700
170′	34	2,900
180′	29	2,300
§ 190 FT BOOM		
50′	79	*20,300
60′	76	*17,500
70′	73	*15,500
80′	70	*13,800
90′	67	*12,500
100′	64	11,000
110′	61	9,100
120′	58	7,600
130′	54	6,300
140′	51	5,300
150′	47	4,300
160′	43	3,500
170′	38	2,800
180′	34	2,200

R	A	Cap
§ 200 FT BOOM		
50′	79	*18,200
60′	76	*15,200
70′	74	*13,800
80′	71	*12,200
90′	68	*10,800
100′	65	* 9,800
110′	62	9,000
120′	59	7,500
130′	56	6,200
140′	53	5,100
150′	49	4,200
160′	46	3,400
170′	42	2,700
180′	37	2,000

CAPACITY — BOOM PLUS 30′ JIB AT MAXIMUM OFFSET

R	A	Cap
50 FT. BOOM		
30′	79	*26,300
40′	71	*23,400
50′	62	*19,700
60′	52	*17,500
70′	40	*16,500
60 FT. BOOM		
40′	73	*23,400
50′	66	*21,000
60′	58	*18,500
70′	48	*17,500
80′	37	*16,500
70 FT BOOM		
40′	75	*23,400
50′	68	*21,200
60′	61	*19,000
70′	54	*18,000
80′	45	*16,900
90′	34	15,500
80 FT. BOOM		
40′	76	*25,000
50′	71	*22,700
60′	64	*19,500
70′	58	*18,500
80′	51	*17,500
90′	45	15,400
100′	32	13,100

R	A	Cap
90 FT. BOOM		
40′	77	*25,300
50′	72	*23,000
60′	67	*20,700
70′	61	*18,500
80′	55	18,200
90′	48	15,300
100′	40	12,900
110′	30	11,100
100 FT BOOM		
40′	78	*26,000
50′	74	*24,000
60′	69	*21,300
70′	64	*19,000
80′	58	18,100
90′	52	15,100
100′	46	12,800
110′	38	10,900
120′	29	9,400
110 FT. BOOM		
40′	79	*26,200
50′	75	*24,200
60′	70	*21,600
70′	66	*19,700
80′	61	18,000
90′	56	15,000
100′	50	12,700
110′	44	10,900
120′	37	9,300
130′	27	8,000

R	A	Cap
120 FT BOOM		
50′	76	*23,400
60′	72	*22,500
70′	68	*20,300
80′	63	17,800
90′	58	14,900
100′	53	12,600
110′	48	10,700
120′	42	9,200
130′	35	7,900
140′	26	6,800
130 FT BOOM		
50′	77	*25,00
60′	73	*22,800
70′	69	*20,700
80′	65	17,700
90′	61	14,700
100′	56	12,400
110′	51	10,500
120′	46	9,000
130′	40	7,700
140′	34	6,600

R	A	Cap
140 FT BOOM		
50′	78	*25,500
60′	74	*23,200
70′	70	*21,000
80′	67	17,500
90′	63	14,500
100′	59	12,200
110′	54	10,300
120′	50	8,800
130′	45	7,500
140′	39	6,400
150′	33	5,500
150 FT. BOOM		
50′	78	*25,500
60′	75	*23,400
70′	71	*21,400
80′	68	17,400
90′	64	14,400
100′	61	12,100
110′	57	10,200
120′	52	8,700
130′	48	7,400
140′	43	6,300
150′	38	5,400
160′	31	4,500

R	A	Cap
§ 160 FT BOOM		
50′	79	*23,000
60′	76	*21,700
70′	73	*20,400
80′	69	17,000
90′	66	14,000
100′	62	11,700
110′	59	9,800
120′	55	8,200
130′	51	6,900
140′	46	5,800
150′	42	4,900
160′	37	4,100
170′	30	3,300
§ 170 FT. BOOM		
50′	79	*22,700
60′	76	*19,400
70′	73	*17,300
80′	70	*15,800
90′	67	14,000
100′	64	11,600
110′	60	9,800
120′	57	8,200
130′	53	6,900
140′	49	5,800
150′	45	4,900
160′	41	4,000
170′	35	3,300
180′	30	2,600

R	A	Cap
§ 180 FT. BOOM		
60′	77	*18,700
70′	74	*16,600
80′	71	*15,000
90′	68	13,800
100′	65	11,400
110′	62	9,500
120′	59	8,000
130′	55	6,700
140′	52	5,600
150′	48	4,600
160′	44	3,800
170′	39	3,100
180′	34	2,400
§ 190 FT. BOOM		
60′	78	*16,600
70′	75	*15,600
80′	72	*14,500
90′	69	*13,300
100′	66	11,300
110′	63	9,400
120′	60	7,800
130′	57	6,500
140′	54	5,400
150′	50	4,500
160′	47	3,700
170′	43	2,900
180′	38	2,300

R	A	Cap
§ 200 FT. BOOM		
60′	78	*14,200
70′	76	*13,300
80′	73	*12,200
90′	70	*10,800
100′	68	*10,000
110′	65	* 8,800
120′	62	7,700
130′	59	6,400
140′	56	5,300
150′	52	4,300
160′	49	3,500
170′	45	2,800
180′	42	2,100

R = Load Radius from C of rotation

A = Angle of boom C to horizontal. Boom angles shown in these charts are in the unloaded condition of the boom. True load radius must be known and the boom angle should not be relied on to determine it.

Cap = Capacity in pounds; on outriggers with counterweights #1 and #2; over side or rear. Capacities marked by an asterisk (*) are the maximum loads permitted by the structural strength of the parts and are not based upon the stability of the machine.

§ = Midpoint Suspension Requirements: Midpoint suspension is required on boom 160′ or more in lenth, and shall be attached to the boom 100′ from the boom foot pins. This requirement is the same with a jib mounted on the boom.

CAPACITY — BOOM PLUS 40′ JIB AT MAXIMUM OFFSET

R	A	Cap
50 FT BOOM		
40′	76	*17,400
50′	69	*16,800
60′	60	*15,000
70′	51	*13,100
80′	39	*12,200
60 FT BOOM		
40′	78	*19,600
50′	71	*17,400
60′	64	*15,000
70′	56	*13,900
80′	48	*13,100
90′	37	*12,200
70 FT BOOM		
40′	79	*19,600
50′	73	*17,400
60′	67	*15,800
70′	60	*15,000
80′	53	*13,900
90′	45	*12,600
100′	34	*12,000
80 FT BOOM		
50′	74	*17,400
60′	69	*16,800
70′	63	*15,000
80′	57	*13,900
90′	50	*13,100
100′	42	*12,600
110′	32	11,400

R	A	Cap
90 FT. BOOM		
50′	76	*17,400
60′	71	*17,400
70′	66	*16,800
80′	60	*15,000
90′	54	*13,900
100′	48	*13,100
110′	40	11,300
120′	30	9,700
100 FT BOOM		
50′	77	*19,600
60′	72	*17,400
70′	68	*16,800
80′	63	*15,000
90′	57	*13,900
100′	52	13,000
110′	45	11,100
120′	38	9,600
130′	29	8,200
110 FT BOOM		
50′	78	*19,600
60′	73	*17,400
70′	69	*16,800
80′	65	*16,500
90′	60	*15,000
100′	55	12,900
110′	50	11,000
120′	44	9,500
130′	36	8,200
140′	27	7,000

R	A	Cap
120 FT BOOM		
50′	78	*19,600
60′	75	*17,400
70′	71	*17,400
80′	66	*16,800
90′	62	*15,000
100′	58	12,800
110′	53	10,900
120′	48	9,300
130′	42	8,000
140′	35	6,900
150′	26	5,900
130 FT BOOM		
50′	79	*19,600
60′	76	*17,400
70′	72	*17,400
80′	68	*16,800
90′	64	14,900
100′	60	12,600
110′	56	10,700
120′	51	9,100
130′	46	7,800
140′	40	6,700
150′	34	5,800

R	A	Cap
140 FT BOOM		
60	76	*17,400
70	73	*17,400
80′	69	*16,800
90′	66	14,800
100′	62	12,400
110′	58	10,500
120′	54	9,000
130′	49	7,700
140′	44	6,600
150′	39	5,600
160′	32	4,700
150 FT BOOM		
60′	77	*19,600
70′	74	*17,400
80′	71	*16,800
90′	67	14,700
100′	64	12,300
110′	60	10,400
120′	56	8,800
130′	52	7,500
140′	48	6,400
150′	43	5,500
160′	38	4,600
170′	31	3,900

R	A	Cap
§ 160 FT BOOM		
60′	78	*19,600
70′	75	*17,400
80′	72	*17,400
90′	68	14,300
100′	65	11,900
110′	62	10,000
120′	58	8,400
130′	54	7,100
140′	50	6,000
150′	46	5,000
160′	42	4,200
170′	36	3,400
180′	30	2,800
§ 170 FT BOOM		
70′	75	*16,500
80′	72	*14,800
90′	69	*13,800
100′	66	11,900
110′	63	10,000
120′	60	8,400
130′	56	7,100
140′	53	6,000
150′	49	5,000
160′	45	4,200
170′	40	3,400
180′	35	2,700
190′	30	2,100

R	A	Cap
§ 180 FT. BOOM		
70′	76	*16,100
80′	73	*14,500
90′	70	*13,400
100′	68	11,700
110′	65	9,700
120′	61	8,200
130′	58	6,800
140	55	5,700
150′	51	4,800
160′	48	3,900
170′	44	3,200
180′	39	2,500
§ 190 FT BOOM		
70′	77	*14,200
80′	74	*13,500
90′	71	*12,800
100′	69	11,600
110′	66	9,600
120′	63	8,000
130′	60	6,700
140′	57	5,600
150′	53	4,600
160′	50	3,800
170′	46	3,100
180′	43	2,400

R	A	Cap
§ 200 FT BOOM		
70′	77	*11,700
80′	75	*11,200
90′	72	*10,300
100′	70	* 9,800
110′	67	* 9,100
120′	64	7,900
130′	61	6,600
140′	58	5,500
150′	55	4,500
160′	52	3,600
170′	49	2,900
180′	45	2,200

CAPACITY — BOOM PLUS 50′ JIB AT MAXIMUM OFFSET

R	A	Cap
50 FT. BOOM		
50′	73	*14,100
60′	66	*12,500
70′	59	*11,400
80′	50	*10,200
90′	39	* 9,400
60 FT BOOM		
50′	75	*14,100
60′	69	*12,500
70′	62	*11,400
80′	55	*10,800
90′	47	*10,200
100′	36	* 9,400
70 FT BOOM		
50′	76	*16,000
60′	71	*14,100
70′	65	*12,500
80′	59	*11,400
90′	52	*10,200
100′	44	* 9,700
110′	34	* 9,300
80 FT BOOM		
50′	78	*16,000
60′	73	*14,100
70′	67	*12,500
80′	62	*11,400
90′	56	*10,500
100′	49	*10,200
110′	42	* 9,700
120′	32	* 9,300

R	A	Cap
90 FT BOOM		
50′	78	*16,000
60′	74	*14,100
70′	69	*12,500
80′	64	*12,500
90′	59	*11,400
100′	53	*10,800
110′	47	*10,200
120′	40	* 9,400
130′	30	8,600
100 FT BOOM		
50′	79	*16,000
60′	75	*14,100
70′	71	*14,100
80′	66	*12,500
90′	62	*11,400
100′	57	*10,800
110′	51	*10,200
120′	45	* 9,700
130′	38	8,500
140′	29	7,400
110 FT BOOM		
60	76	*14,100
70′	72	*14,100
80′	68	*12,500
90′	64	*11,400
100′	59	*11,400
110′	54	*10,800
120′	49	9,700
130′	43	8,400
140′	36	7,300
150′	27	6,300

R	A	Cap
120 FT BOOM		
60′	77	*16,000
70′	73	*14,100
80′	69	*12,500
90′	65	*12,500
100′	61	*11,400
110′	57	*10,800
120′	52	9,600
130′	47	8,300
140′	42	7,100
150′	35	6,200
160′	26	5,300
130 FT BOOM		
60′	78	*16,000
70′	74	*14,100
80′	71	*14,100
90′	67	*12,500
100′	63	*11,400
110′	59	*11,000
120′	55	9,400
130′	50	8,100
140′	46	6,900
150′	40	6,000
160′	34	5,100
170′	25	4,300

R	A	Cap
140 FT. BOOM		
60′	78	*16,000
70′	75	*14,100
80′	72	*14,100
90′	68	*12,500
100′	65	*12,500
110′	61	10,800
120′	57	9,200
130′	53	7,900
140′	49	6,800
150′	44	5,800
160′	39	5,000
170′	32	4,200
150 FT BOOM		
60′	79	*16,000
70′	76	*14,100
80′	73	*14,100
90′	69	*12,500
100′	66	*12,500
110′	63	10,700
120′	59	9,100
130′	55	7,800
140′	52	6,600
150′	47	5,700
160′	43	4,800
170′	37	4,100
180′	31	3,400

R	A	Cap
§ 160 FT BOOM		
60′	79	*16,000
70′	77	*16,000
80′	74	*14,100
90′	71	*14,100
100′	67	12,200
110′	64	10,300
120′	61	8,700
130′	57	7,400
140′	54	6,200
150′	50	5,300
160′	46	4,400
170′	41	3,700
180′	36	3,000
190′	30	2,400
§ 170 FT BOOM		
70′	77	*15,700
80′	74	*13,700
90′	71	*12,500
100′	69	*11,800
110′	66	10,300
120′	62	8,700
130′	59	7,300
140′	56	6,200
150′	52	5,200
160′	49	4,400
170′	45	3,600
180′	40	2,900
190′	35	2,300

R	A	Cap
§ 180 FT BOOM		
70′	78	*15,300
80′	75	*13,700
90′	72	*12,500
100′	70	12,000
110′	67	10,000
120′	64	8,400
130′	61	7,100
140′	58	6,000
150′	54	5,000
160′	51	4,100
170′	47	3,400
180′	43	2,700
190′	39	2,100
§ 190 FT BOOM		
70′	78	*14,200
80′	76	*13,600
90′	73	*12,800
100′	70	11,900
110′	68	9,900
120′	65	8,300
130′	62	7,000
140′	59	5,800
150′	56	4,900
160′	53	4,000
170′	50	3,300
180′	46	2,600
190′	42	2,000

R	A	Cap
§ 200 FT BOOM		
70′	79	*10,000
80′	76	* 9,500
90′	74	* 9,200
100′	71	* 8,700
110′	69	* 8,500
120′	66	* 7,900
130′	63	6,800
140′	61	5,700
150′	58	4,700
160′	55	3,900
170′	52	3,100
180′	48	2,400

CAPACITY — BOOM PLUS 60′ JIB AT MAXIMUM OFFSET

R	A	Cap
50 FT BOOM		
50′	77	*12,800
60′	71	*11,300
70′	64	*10,000
80′	57	* 8,500
90′	49	* 7,900
100′	38	* 7,400
60 FT BOOM		
50′	78	*12,800
60′	73	*11,300
70′	67	*10,000
80′	61	* 9,100
90′	54	* 8,500
100′	46	* 7,900
110′	36	* 7,400
70 FT BOOM		
50′	79	*12,800
60′	74	*11,300
70′	65	*10,000
80′	64	*10,000
90′	58	* 9,100
100′	51	* 7,900
110′	43	* 7,600
120′	34	* 7,400

R	A	Cap
80 FT. BOOM		
60′	75	*12,800
70′	71	*11,300
80′	66	*10,000
90′	61	* 9,100
100′	55	* 8,500
110′	49	* 7,900
120′	41	* 7,600
130′	32	* 7,200
90 FT BOOM		
60′	76	*12,800
70′	72	*11,300
80′	68	*10,000
90′	63	* 9,100
100′	58	* 9,100
110′	52	* 8,500
120′	46	* 7,900
130′	39	* 7,600
140′	30	* 7,200

R	A	Cap
100 FT BOOM		
60′	77	*12,800
70′	73	*11,300
80′	69	*10,000
90′	65	*10,000
100′	60	* 9,100
110′	56	* 8,500
120′	50	* 7,900
130′	44	* 7,600
140′	38	* 7,400
150′	29	6,500
110 FT BOOM		
60′	78	*12,800
70′	74	*11,300
80′	71	*11,300
90′	67	*10,000
100′	62	* 9,100
110′	58	* 9,100
120′	53	* 8,500
130′	48	* 7,900
140′	43	7,400
150′	36	6,400
160′	27	5,500

R	A	Cap
120 FT. BOOM		
60′	79	*12,800
70′	75	*12,800
80′	72	*11,300
90′	68	*10,000
100′	64	*10,000
110′	60	* 9,100
120′	56	* 8,500
130′	52	8,400
140′	47	7,200
150′	41	6,200
160′	35	5,400
170′	26	4,600
130 FT BOOM		
60′	79	*12,800
70′	76	*12,800
80′	73	*11,300
90′	69	*11,300
100′	66	*10,000
110′	62	* 9,100
120′	58	* 9,100
130′	54	8,200
140′	50	7,000
150′	45	6,100
160′	40	5,200
170′	33	4,400
180′	25	3,700

R	A	Cap
140 FT BOOM		
70′	77	*12,800
80′	74	*11,300
90′	70	*11,300
100′	67	*10,000
110′	64	*10,000
120′	60	* 9,100
130′	56	8,000
140′	52	6,900
150′	48	5,900
160′	44	5,000
170′	38	4,300
180′	32	3,600
150 FT BOOM		
70′	77	*12,800
80′	75	*11,300
90′	71	*11,300
100′	68	*10,000
110′	65	*10,000
120′	62	* 9,100
130′	58	7,900
140′	55	6,700
150′	51	5,800
160′	47	4,900
170′	42	4,200
180′	37	3,500
190′	31	2,900

R	A	Cap
§ 160 FT BOOM		
70′	78	*12,800
80′	75	*11,300
90′	72	*11,300
100′	69	*11,300
110′	66	*10,000
120′	63	8,800
130′	60	7,500
140′	57	6,300
150′	53	5,400
160′	49	4,500
170′	45	3,700
180′	41	3,100
190′	36	2,500
§ 170 FT BOOM		
70′	79	*12,800
80′	76	*12,800
90′	73	*11,300
100′	70	*11,300
110′	68	*10,000
120′	65	8,800
130′	62	7,400
140′	59	6,300
150′	55	5,300
160′	52	4,500
170′	48	3,700
180′	44	3,000
190′	40	2,400

R	A	Cap
§ 180 FT BOOM		
70′	79	*12,800
80′	77	*12,800
90′	74	*11,300
100′	71	*11,300
110′	69	*10,000
120′	66	8,600
130′	63	7,200
140′	60	6,100
150′	57	5,100
160′	54	4,200
170′	50	3,500
180′	47	2,800
190′	43	2,200
§ 190 FT. BOOM		
80′	77	*12,800
90′	75	*11,300
100′	72	*11,300
110′	70	10,100
120′	67	8,500
130′	64	7,100
140′	61	5,900
150′	59	5,000
160′	56	4,100
170′	53	3,300
180′	49	2,700
190′	46	2,100

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