

US UNITS: BOOM LENGTH = 180 Feet			
REACH (ft)	ANGLE (deg)	ONBOARD LOAD (STATIC) lbs	OFFBOARD LOAD (DYNAMIC) lbs
34	80.1	490,588	296,583
40	78.2	417,000	252,095
45	76.6	370,667	224,085
50	75.0	333,600	201,676
55	73.4	303,273	183,342
60	71.8	278,000	168,064
65	70.2	256,615	155,136
70	68.6	238,286	144,055
75	66.9	222,400	134,451
80	65.2	208,500	126,048
85	63.5	196,235	118,633
90	61.8	185,333	112,042
95	60.0	175,579	106,145
100	58.2	166,800	100,838
105	56.4	158,857	96,036
110	54.5	151,636	91,671
115	52.6	145,043	87,685
120	50.6	139,000	84,032
125	48.6	133,440	80,671
130	46.5	128,308	77,568
135	44.3	123,556	74,695
140	42.0	119,143	72,027
145	39.7	115,034	69,544
150	37.2	111,200	67,225
155	34.5	107,613	65,057
160	31.7	104,250	63,024
165	28.6	101,091	61,114
170	25.1	98,118	59,317
175	21.1	95,314	57,622
180	16.2	92,667	56,021
185	8.9	90,162	54,507
187	0.5	89,198	53,924

SI UNITS BOOM LENGTH = 57 Meters			
REACH (m)	ANGLE (deg)	ONBOARD LOAD (STATIC) Kg	OFFBOARD LOAD (DYNAMIC) Kg
10.4	80.1	222,995	134,810
12.2	78.2	189,545	114,589
13.7	76.6	168,485	101,857
15.2	75.0	151,636	91,671
16.8	73.4	137,851	83,337
18.3	71.8	126,364	76,393
19.8	70.2	116,643	70,516
21.3	68.6	108,312	65,479
22.9	66.9	101,091	61,114
24.4	65.2	94,773	57,294
25.9	63.5	89,198	53,924
27.4	61.8	84,242	50,928
29.0	60.0	79,809	48,248
30.5	58.2	75,818	45,836
32.0	56.4	72,208	43,653
33.5	54.5	68,926	41,669
35.1	52.6	65,929	39,857
36.6	50.6	63,182	38,196
38.1	48.6	60,655	36,668
39.6	46.5	58,322	35,258
41.2	44.3	56,162	33,952
42.7	42.0	54,156	32,740
44.2	39.7	52,288	31,611
45.7	37.2	50,545	30,557
47.3	34.5	48,915	29,571
48.8	31.7	47,386	28,647
50.3	28.6	45,950	27,779
51.8	25.1	44,599	26,962
53.4	21.1	43,325	26,192
54.9	16.2	42,121	25,464
56.4	8.9	40,983	24,776
57.0	0.5	40,544	24,511

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BUREA
VERITA