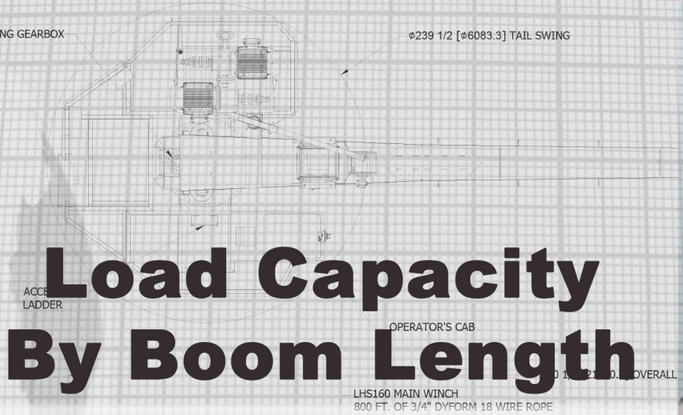
F60



Load Capacity By Boom Length

US UNITS: BOOM LENGTH = 30 Feet

REACH (ft)	ANGLE (deg)	ONBOARD LOAD (*STATIC*) lbs	OFFBOARD LOAD (*DYNAMIC*) lbs
4	82.7	80,000	48,364
5	80.4	75,200	45,462
10	70.5	68,930	41,671
15	60	65,040	39,320
20	48.2	60,300	36,454
25	33.6	56,178	33,962
30	0	47,283	28,585

US UNITS: BOOM LENGTH = 40 Feet

REACH (ft)	ANGLE (deg)	ONBOARD LOAD (*STATIC*) lbs	OFFBOARD LOAD (*DYNAMIC*) lbs
5	82.7	80,000	48,364
10	75.5	73,330	44,331
15	68	65,100	39,356
20	60	56,968	34,440
25	51.3	48,875	29,547
30	41.4	43,390	26,231
35	29	39,276	23,744
40	0	33,786	20,425

US UNITS: BOOM LENGTH = 50 Feet

REACH (ft)	ANGLE (deg)	ONBOARD LOAD (*STATIC*) lbs	OFFBOARD LOAD (*DYNAMIC*) lbs
6	82.7	80,000	48,364
10	78.5	72,550	43,860
15	72.5	66,150	39,991
20	66.4	52,765	31,899
25	60	44,677	27,009
30	53.1	39,241	23,723
35	45.6	35,314	21,349
40	36.9	32,302	19,528
45	25.8	29,798	18,014
50	0	25,970	15,700

US UNITS: BOOM LENGTH = 60 Feet

REACH (ft)	ANGLE (deg)	ONBOARD LOAD (*STATIC*) lbs	OFFBOARD LOAD (*DYNAMIC*) lbs
7	83.2	80,000	48,364
10	79.4	71,000	42,923
15	74.5	61,110	36,944
20	69.5	54,800	33,129
25	64.4	46,425	28,066
30	59	40,725	24,620
35	53.3	36,575	22,111
40	47.2	33,425	20,207
45	40.4	30,300	18,318
50	32.6	26,675	16,126
55	22.6	23,700	14,328
60	0	21,325	12,892

US UNITS: BOOM LENGTH = 70 Feet

REACH (ft)	ANGLE (deg)	ONBOARD LOAD (*STATIC*) lbs	OFFBOARD LOAD (*DYNAMIC*) lbs
9	82.7	75,620	45,716
10	81.8	70,000	42,318
15	77.6	59,557	36,005
20	73.4	46,119	27,881
25	69.1	38,021	22,985
30	64.6	32,597	19,706
35	60	28,702	17,352
40	55.2	25,765	15,576
45	50	23,463	14,184
50	44.4	21,604	13,061
55	38.2	20,056	12,125
60	31	18,717	11,315
65	21.8	17,178	10,385
70	0	15,207	9,193

US UNITS: BOOM LENGTH = 80 Feet

REACH (ft)	ANGLE (deg)	ONBOARD LOAD (*STATIC*) lbs	OFFBOARD LOAD (*DYNAMIC*) lbs
10	82.7	71,800	43,406
15	79.2	68,220	41,242
20	75.5	44,757	27,058
25	71.8	38,600	23,335
30	68	32,700	19,769
35	64.1	28,600	17,290
40	60	24,420	14,763
45	55.8	22,810	13,790
50	51.3	20,970	12,677
55	46.6	19,020	11,498
60	41.4	17,500	10,580
65	35.7	15,930	9,630
70	29	14,070	8,506
75	20.4	13,100	7,920
80	0	12,890	7,793

US UNITS: BOOM LENGTH = 90 Feet

REACH (ft)	ANGLE (deg)	ONBOARD LOAD (*STATIC*) lbs	OFFBOARD LOAD (*DYNAMIC*) lbs
11	82.7	66,121	39,973
15	80.4	55,919	33,806
20	77.2	43,792	26,474
25	73.9	35,704	21,585
30	70.5	30,295	18,315
35	67.1	26,418	15,971
40	63.6	23,499	14,206
45	60	21,219	12,828
50	56.3	19,387	11,720
55	52.3	17,881	10,810
60	48.2	16,618	10,046
65	43.8	15,540	9,395
70	38.9	14,603	8,828
75	33.6	13,770	8,325
80	27.3	13,004	7,862
85	19.2	11,910	7,200
90	0	10,715	6,478

SI UNITS BOOM LENGTH = 9 Meters

REACH (m)	ANGLE (deg)	ONBOARD LOAD (*STATIC*) Kg	OFFBOARD LOAD (*DYNAMIC*) Kg
1.2	82.7	36,364	21,983
1.5	80.4	34,182	20,664
3.0	70.5	31,332	18,942
4.6	60	29,564	17,873
6.1	48.2	27,409	16,570
7.6	33.6	25,535	15,437
9.1	0	21,492	12,993

SI UNITS BOOM LENGTH = 12 Meters

REACH (m)	ANGLE (deg)	ONBOARD LOAD (*STATIC*) Kg	OFFBOARD LOAD (*DYNAMIC*) Kg
1.5	82.7	36,364	21,983
3.0	75.5	33,332	20,151
4.6	68	29,591	17,889
6.1	60	25,895	15,654
7.6	51.3	22,216	13,431
9.1	41.4	19,723	11,923
10.7	29	17,853	10,793
12.2	0	15,357	9,284

SI UNITS BOOM LENGTH = 15 Meters

REACH (m)	ANGLE (deg)	ONBOARD LOAD (*STATIC*) Kg	OFFBOARD LOAD (*DYNAMIC*) Kg
1.8	82.7	36,364	21,983
3.0	78.5	32,977	19,936
4.6	72.5	30,068	18,178
6.1	66.4	23,984	14,499
7.6	60	20,308	12,277
9.1	53.1	17,837	10,783
10.7	45.6	16,052	9,704
12.2	36.9	14,683	8,876
13.7	25.8	13,545	8,188
15.2	0	11,805	7,136

SI UNITS BOOM LENGTH = 18 Meters

REACH (m)	ANGLE (deg)	ONBOARD LOAD (*STATIC*) Kg	OFFBOARD LOAD (*DYNAMIC*) Kg
2.1	83.2	36,364	21,983
3.0	79.4	32,273	19,510
4.6	74.5	27,777	16,793
6.1	69.5	24,909	15,059
7.6	64.4	21,102	12,757
9.1	59	18,511	11,191
10.7	53.3	16,625	10,051
12.2	47.2	15,193	9,185
13.7	40.4	13,773	8,326
15.2	32.6	12,125	7,330
16.8	22.6	10,773	6,513
18.3	0	9,693	5,860

SI UNITS BOOM LENGTH = 21 Meters

REACH (m)	ANGLE (deg)	ONBOARD LOAD (*STATIC*) Kg	OFFBOARD LOAD (*DYNAMIC*) Kg
2.7	82.7	34,373	20,780
3.0	81.8	31,818	19,236
4.6	77.6	27,071	16,366
6.1	73.4	20,963	12,673
7.6	69.1	17,282	10,448
9.1	64.6	14,817	8,957
10.7	60	13,046	7,887
12.2	55.2	11,711	7,080
13.7	50	10,665	6,447
15.2	44.4	9,820	5,937
16.8	38.2	9,116	5,511
18.3	31	8,508	5,143
19.8	21.8	7,808	4,720
21.3	0	6,912	4,179

SI UNITS BOOM LENGTH = 24 Meters

REACH (m)	ANGLE (deg)	ONBOARD LOAD (*STATIC*) Kg	OFFBOARD LOAD (*DYNAMIC*) Kg
3.0	82.7	32,636	19,730
4.6	79.2	31,009	18,746
6.1	75.5	20,344	12,299
7.6	71.8	17,545	10,607
9.1	68	14,864	8,986
10.7	64.1	13,000	7,859
12.2	60	11,100	6,710
13.7	55.8	10,368	6,268
15.2	51.3	9,532	5,762
16.8	46.6	8,645	5,227
18.3	41.4	7,955	4,809
19.8	35.7	7,241	4,377
21.3	29	6,395	3,866
22.9	20.4	5,955	3,600
24.4	0	5,859	3,542

SI UNITS BOOM LENGTH = 27 Meters

REACH (m)	ANGLE (deg)	ONBOARD LOAD (*STATIC*) Kg	OFFBOARD LOAD (*DYNAMIC*) Kg
3.4	82.7	30,055	18,170
4.6	80.4	25,418	15,366
6.1	77.2	19,905	12,034
7.6	73.9	16,229	9,811
9.1	70.5	13,770	8,325
10.7	67.1	12,008	7,259
12.2	63.6	10,681	6,457
13.7	60	9,645	5,831
15.2	56.3	8,812	5,327
16.8	52.3	8,128	4,914
18.3	48.2	7,554	4,567
19.8	43.8	7,064	4,270
21.3	38.9	6,638	4,013
22.9	33.6	6,259	3,784
24.4	27.3	5,911	3,573
25.9	19.2	5,414	3,273
27.4	0	4,870	2,944

LOAD CHART CREATOR: DSHAD 12/2018 rev1.0 - Values listed subject to change without notice. - Values reflect structural capacities and may vary with configuration via client specification. Offboard denotes a devault CV=2. Sea State Load Charts are available by request and in conjunction with client supplied vessel data.

Designed and Manufactured under the controls set forth by

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