

# L120

## Load Capacity By Boom Length



US UNITS: BOOM LENGTH = 80 Feet				US UNITS: BOOM LENGTH = 90 Feet				US UNITS: BOOM LENGTH = 100 Feet				US UNITS: BOOM LENGTH = 120 Feet				US UNITS: BOOM LENGTH = 140 Feet			
REACH (ft)	ANGLE (deg)	ONBOARD LOAD (STATIC) lbs	OFFBOARD LOAD (DYNAMIC) lbs	REACH (ft)	ANGLE (deg)	ONBOARD LOAD (STATIC) lbs	OFFBOARD LOAD (DYNAMIC) lbs	REACH (ft)	ANGLE (deg)	ONBOARD LOAD (STATIC) lbs	OFFBOARD LOAD (DYNAMIC) lbs	REACH (ft)	ANGLE (deg)	ONBOARD LOAD (STATIC) lbs	OFFBOARD LOAD (DYNAMIC) lbs	REACH (ft)	ANGLE (deg)	ONBOARD LOAD (STATIC) lbs	OFFBOARD LOAD (DYNAMIC) lbs
15	82.0	132,000	79,800	15	80.4	132,000	79,800	15	81.8	132,000	79,800	15	82.9	132,000	79,800	20	81.8	140,000	84,636
20	79.7	132,000	79,800	20	77.2	132,000	79,800	20	78.9	132,000	79,800	20	80.4	132,000	79,800	25	79.8	112,000	67,709
25	76.0	132,000	79,800	25	73.9	132,000	79,800	25	75.9	120,091	72,600	25	78.0	112,000	67,709	30	77.7	93,333	56,424
30	72.3	124,625	75,341	30	70.6	121,074	73,195	30	73.0	101,743	61,508	30	75.6	93,333	56,424	35	75.6	80,000	48,364
35	68.5	101,524	61,376	35	67.1	104,687	63,288	35	69.9	87,972	53,183	35	73.1	80,000	48,364	40	73.4	70,000	42,318
40	64.5	88,600	53,563	40	63.6	91,936	55,579	40	66.8	77,257	46,705	40	70.6	70,000	42,318	45	71.3	62,222	37,616
45	60.5	77,280	46,719	45	60.0	81,734	49,412	45	63.7	68,684	41,523	45	68.0	62,222	37,616	50	69.1	56,000	33,855
50	56.3	69,020	41,726	50	56.3	73,386	44,365	50	60.4	61,669	37,282	50	65.4	56,000	33,855	55	66.9	50,909	30,777
55	51.8	58,330	35,263	55	52.4	66,432	40,161	55	57.0	55,825	33,749	55	62.8	50,909	30,777	60	64.7	46,667	28,212
60	47.0	55,780	33,722	60	48.2	60,548	36,604	60	53.5	50,881	30,760	60	60.0	46,667	28,212	65	62.4	43,077	26,042
65	41.0	48,900	29,562	65	43.8	55,509	33,558	65	49.8	46,646	28,200	65	57.2	43,077	26,042	70	60.0	40,000	24,182
70	36.0	44,820	27,096	70	39.0	51,144	30,919	70	45.9	42,978	25,982	70	54.3	40,000	24,182	75	57.6	37,333	22,570
75	29.3	41,010	24,792	75	33.6	47,327	28,612	75	41.8	39,771	24,043	75	51.3	37,333	22,570	80	55.2	35,000	21,159
80	20.5	38,550	23,305	80	27.3	43,965	26,579	80	37.2	36,945	22,335	80	48.2	35,000	21,159	85	52.6	32,941	19,914
82	0.0	35,320	21,353	85	19.2	38,965	23,556	85	32.1	34,437	20,819	85	44.9	32,941	19,914	90	50.0	31,111	18,808
				90	0.0	30,518	18,450	90	26.1	32,198	19,465	90	41.4	31,111	18,808	100	44.4	28,000	16,927
								95	18.3	30,194	18,254	95	37.7	29,474	17,818	105	41.4	26,667	16,121
								100	0.0	28,511	17,236	100	33.6	28,000	16,927	110	38.2	25,455	15,388
												105	29.0	26,667	16,121	115	34.8	24,348	14,719
												110	23.6	25,455	15,388	120	31.0	23,333	14,106
												115	16.6	24,348	14,719	125	26.8	22,400	13,542
												120	0.0	23,333	14,106	130	21.8	21,538	13,021
																135	15.4	20,741	12,539
																140	0.0	20,000	12,091

SI UNITS BOOM LENGTH = 25 Meters				SI UNITS BOOM LENGTH = 27 Meters				SI UNITS BOOM LENGTH = 30 Meters				SI UNITS BOOM LENGTH = 36 Meters				SI UNITS BOOM LENGTH = 42 Meters			
REACH (m)	ANGLE (deg)	ONBOARD LOAD (STATIC) Kg	OFFBOARD LOAD (DYNAMIC) Kg	REACH (m)	ANGLE (deg)	ONBOARD LOAD (STATIC) Kg	OFFBOARD LOAD (DYNAMIC) Kg	REACH (m)	ANGLE (deg)	ONBOARD LOAD (STATIC) Kg	OFFBOARD LOAD (DYNAMIC) Kg	REACH (m)	ANGLE (deg)	ONBOARD LOAD (STATIC) Kg	OFFBOARD LOAD (DYNAMIC) Kg	REACH (m)	ANGLE (deg)	ONBOARD LOAD (STATIC) Kg	OFFBOARD LOAD (DYNAMIC) Kg
4.6	82.0	60,000	36,273	4.6	80.4	60,000	36,273	4.6	81.8	60,000	36,273	4.6	82.9	60,000	36,273	6.1	81.8	63,636	38,471
6.1	79.7	60,000	36,273	6.1	77.2	60,000	36,273	6.1	78.9	60,000	36,273	6.1	80.4	60,000	36,273	7.6	79.8	50,909	30,777
7.6	76.0	60,000	36,273	7.6	73.9	60,000	36,273	7.6	75.9	54,587	33,000	7.6	78.0	50,909	30,777	9.1	77.7	42,424	25,647
9.1	72.3	56,648	34,246	9.1	70.6	55,034	33,270	9.1	73.0	46,247	27,958	9.1	75.6	42,424	25,647	10.7	75.6	36,364	21,983
10.7	68.5	46,147	27,898	10.7	67.1	47,585	28,767	10.7	69.9	39,987	24,174	10.7	73.1	36,364	21,983	12.2	73.4	31,818	19,236
12.2	64.5	40,273	24,347	12.2	63.6	41,789	25,263	12.2	66.8	35,117	21,230	12.2	70.6	31,818	19,236	13.7	71.3	28,283	17,098
13.7	60.5	35,127	21,236	13.7	60.0	37,152	22,460	13.7	63.7	31,220	18,874	13.7	68.0	28,283	17,098	15.2	69.1	25,455	15,388
15.2	56.3	31,373	18,966	15.2	56.3	33,357	20,166	15.2	60.4	28,031	16,946	15.2	65.4	25,455	15,388	16.8	66.9	23,140	13,989
16.8	51.8	26,514	16,029	16.8	52.4	30,196	18,255	16.8	57.0	25,375	15,340	16.8	62.8	23,140	13,989	18.3	64.7	21,212	12,824
18.3	47.0	25,355	15,328	18.3	48.2	27,522	16,638	18.3	53.5	23,128	13,982	18.3	60.0	21,212	12,824	19.8	62.4	19,580	11,837
19.8	41.0	22,227	13,437	19.8	43.8	25,231	15,253	19.8	49.8	21,203	12,818	19.8	57.2	19,580	11,837	21.3	60.0	18,182	10,992
21.3	36.0	20,373	12,316	21.3	39.0	23,247	14,054	21.3	45.9	19,536	11,810	21.3	54.3	18,182	10,992	22.9	57.6	16,970	10,259
22.9	29.3	18,641	11,269	22.9	33.6	21,512	13,005	22.9	41.8	18,078	10,929	22.9	51.3	16,970	10,259	24.4	55.2	15,909	9,618
24.4	20.5	17,523	10,593	24.4	27.3	19,984	12,081	24.4	37.2	16,793	10,152	24.4	48.2	15,909	9,618	25.9	52.6	14,973	9,052
25.0	0.0	16,055	9,706	25.9	19.2	17,711	10,707	25.9	32.1	15,653	9,463	25.9	44.9	14,973	9,052	27.4	50.0	14,141	8,549
				27.4	0.0	13,872	8,386	27.4	26.1	14,636	8,848	27.4	41.4	14,141	8,549	30.5	44.4	12,727	7,694
												29.0	37.7	13,397	8,099	32.0	41.4	12,121	7,328
												30.5	33.6	12,727	7,694	33.5	38.2	11,570	6,995
												32.0	29.0	12,121	7,328	35.1	34.8	11,067	6,691
												33.5	23.6	11,570	6,995	36.6	31.0	10,606	6,412
												35.1	16.6	11,067	6,691	38.1	26.8	10,182	6,155
												36.6	0.0	10,606	6,412	39.6	21.8	9,790	5,919
																41.2	15.4	9,428	5,699
																42.7	0.0	9,091	5,496

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 default 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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