

# F120 Load Capacity By Boom Length

US UNITS: BOOM LENGTH = 53 Feet				US UNITS: BOOM LENGTH = 80 Feet				US UNITS: BOOM LENGTH = 90 Feet				US UNITS: BOOM LENGTH = 100 Feet				US UNITS: BOOM LENGTH = 120 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
7	82.5	155,000	93,705	10.5	82.5	155,000	93,705	11.8	82.5	155,000	93,705	13.1	82.5	155,000	93,705	15.8	82.5	115,300	69,704
10	79.2	155,000	93,705	15	79.2	155,000	93,705	15	80.4	155,000	93,705	15	81.4	137,950	83,397	20	80.4	101,700	61,482
15	73.6	155,000	93,705	20	75.6	139,702	84,456	20	77.2	124,335	75,166	20	78.5	110,658	66,898	25	78.0	81,445	49,237
20	67.9	155,000	93,705	25	71.8	115,530	69,843	25	73.9	102,822	62,160	25	75.6	91,511	55,323	30	75.6	70,018	42,329
25	61.9	134,370	81,233	30	68.0	99,321	60,044	30	70.6	88,396	53,439	30	72.6	78,672	47,561	35	73.1	61,798	37,360
30	55.6	117,800	71,215	35	64.1	87,661	52,995	35	67.1	78,018	47,166	35	69.5	69,436	41,977	40	70.6	56,912	34,406
35	48.7	91,440	55,280	40	60.0	80,730	48,805	40	63.6	71,850	43,436	40	66.5	63,946	38,658	45	68.0	52,737	31,882
40	41.0	79,620	48,134	45	55.8	74,808	45,225	45	60.0	66,579	40,250	45	63.3	59,255	35,822	50	65.4	45,102	27,266
45	31.9	67,804	40,991	50	51.3	63,978	38,678	50	56.3	56,940	34,423	50	60.0	50,677	30,637	55	62.8	41,792	25,265
50	19.4	58,446	35,333	55	46.6	59,281	35,838	55	52.4	52,760	31,896	55	56.7	46,957	28,387	60	60.0	39,761	24,037
53	0.0	48,789	29,495	60	41.4	56,401	34,097	60	48.2	50,197	30,346	60	53.2	44,675	27,008	65	57.2	37,721	22,804
				65	35.7	53,507	32,348	65	43.8	47,621	28,789	65	49.5	42,383	25,622	70	54.3	31,889	19,279
				70	29.0	45,235	27,347	70	39.0	40,259	24,339	70	45.6	35,831	21,661	75	51.3	28,851	17,442
				75	20.4	40,925	24,741	75	33.6	36,423	22,020	75	41.4	32,417	19,597	80	48.2	22,958	13,879
				80	0.0	32,566	19,687	80	27.3	28,983	17,522	80	36.9	25,795	15,594	85	44.9	17,743	10,726
								85	19.2	22,400	13,542	85	31.8	19,936	12,052	90	41.4	11,945	7,221
								90	0.0	15,080	9,117	90	25.9	13,421	8,114	95	37.7	9,007	5,445
												95	18.2	10,120	6,118	100	33.6	7,802	4,717
												100	0.0	8,766	5,299	110	23.6	6,965	4,211
																120	0.0	4,888	2,955

  

SI UNITS BOOM LENGTH = 16 Meters				SI UNITS BOOM LENGTH = 24 Meters				SI UNITS BOOM LENGTH = 27 Meters				SI UNITS BOOM LENGTH = 30 Meters				SI UNITS BOOM LENGTH = 36 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
2.1	82.5	70,455	42,593	3.2	82.5	70,455	42,593	3.6	82.5	70,455	42,593	4.0	82.5	70,455	42,593	4.8	82.5	52,409	31,684
3.0	79.2	70,455	42,593	4.6	79.2	70,455	42,593	4.6	80.4	70,455	42,593	4.6	81.4	62,705	37,908	6.1	80.4	46,227	27,946
4.6	73.6	70,455	42,593	6.1	75.6	63,501	38,389	6.1	77.2	56,516	34,166	6.1	78.5	50,299	30,408	7.6	78.0	37,021	22,381
6.1	67.9	70,455	42,593	7.6	71.8	52,514	31,747	7.6	73.9	46,737	28,255	7.6	75.6	41,596	25,147	9.1	75.6	31,826	19,241
7.6	61.9	61,077	36,924	9.1	68.0	45,146	27,293	9.1	70.6	40,180	24,291	9.1	72.6	35,760	21,619	10.7	73.1	28,090	16,982
9.1	55.6	53,545	32,371	10.7	64.1	39,846	24,089	10.7	67.1	35,463	21,439	10.7	69.5	31,562	19,081	12.2	70.6	25,869	15,639
10.7	48.7	41,564	25,127	12.2	60.0	36,695	22,184	12.2	63.6	32,659	19,744	12.2	66.5	29,066	17,572	13.7	68.0	23,971	14,492
12.2	41.0	36,191	21,879	13.7	55.8	34,003	20,557	13.7	60.0	30,263	18,295	13.7	63.3	26,934	16,283	15.2	65.4	20,501	12,394
13.7	31.9	30,820	18,632	15.2	51.3	29,081	17,581	15.2	56.3	25,882	15,647	15.2	60.0	23,035	13,926	16.8	62.8	18,996	11,484
15.2	19.4	26,566	16,061	16.8	46.6	26,946	16,290	16.8	52.4	23,982	14,498	16.8	56.7	21,344	12,903	18.3	60.0	18,073	10,926
16.2	0.0	22,177	13,407	18.3	41.4	25,637	15,499	18.3	48.2	22,817	13,794	18.3	53.2	20,307	12,276	19.8	57.2	17,146	10,365
				19.8	35.7	24,321	14,703	19.8	43.8	21,646	13,086	19.8	49.5	19,265	11,647	21.3	54.3	14,495	8,763
				21.3	29.0	20,561	12,430	21.3	39.0	18,300	11,063	21.3	45.6	16,287	9,846	22.9	51.3	13,114	7,928
				22.9	20.4	18,602	11,246	22.9	33.6	16,556	10,009	22.9	41.4	14,735	8,908	24.4	48.2	10,435	6,309
				24.4	0.0	14,803	8,949	24.4	27.3	13,174	7,964	24.4	36.9	11,725	7,088	25.9	44.9	8,065	4,876
								25.9	19.2	10,182	6,155	25.9	31.8	9,062	5,478	27.4	41.4	5,429	3,282
								27.4	0.0	6,855	4,144	27.4	25.9	6,101	3,688	29.0	37.7	4,094	2,475
												29.0	18.2	4,600	2,781	30.5	33.6	3,546	2,144
												30.5	0.0	3,985	2,409	33.5	23.6	3,166	1,914
																36.6	0.0	2,222	1,343

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



2C-0067

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