

F2000 Load Capacity By Boom Length

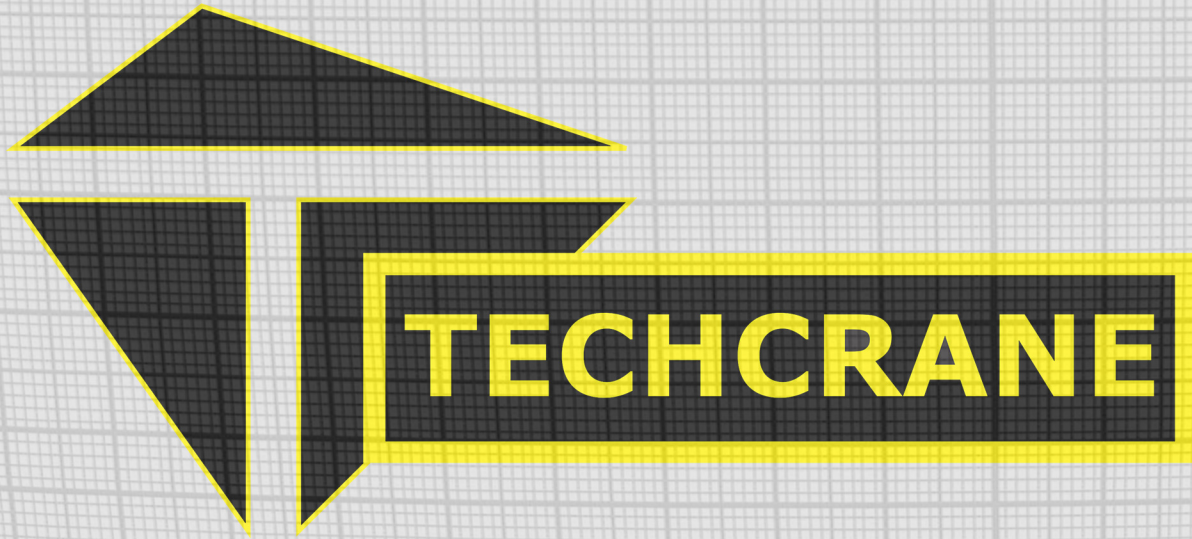
US UNITS: BOOM LENGTH = 80 Feet				US UNITS: BOOM LENGTH = 90 Feet				US UNITS: BOOM LENGTH = 100 Feet				US UNITS: BOOM LENGTH = 120 Feet			
REACH (ft)	ANGLE (deg)	ONBOARD LOAD (STATIC) lbs	OFFBOARD LOAD (DYNAMIC) lbs	REACH (ft)	ANGLE (deg)	ONBOARD LOAD (STATIC) lbs	OFFBOARD LOAD (DYNAMIC) lbs	REACH (ft)	ANGLE (deg)	ONBOARD LOAD (STATIC) lbs	OFFBOARD LOAD (DYNAMIC) lbs	REACH (ft)	ANGLE (deg)	ONBOARD LOAD (STATIC) lbs	OFFBOARD LOAD (DYNAMIC) lbs
15	79.2	220,000	133,000	17	79.2	220,000	133,000	19	79.1	220,000	133,000	22	79.5	200,000	120,909
20	75.6	220,000	133,000	20	77.2	220,000	133,000	20	78.5	220,000	133,000	25	78.0	195,800	118,370
25	71.8	220,000	133,000	25	73.9	211,800	128,043	25	75.6	205,600	124,295	30	75.6	182,984	110,622
30	68.0	186,757	112,903	30	70.6	188,343	113,862	30	72.6	189,928	114,820	35	73.1	169,036	102,190
35	64.1	159,494	96,421	35	67.1	162,045	97,964	35	69.5	164,597	99,506	40	70.6	146,491	88,561
40	60.0	139,805	84,519	40	63.6	142,603	86,210	40	66.5	145,400	87,901	45	68.0	129,406	78,232
45	55.8	124,833	75,467	45	60.0	127,641	77,165	45	63.3	130,450	78,863	50	65.4	116,101	70,188
50	51.3	112,972	68,297	50	56.3	115,646	69,913	50	60.0	118,320	71,530	55	62.8	105,305	63,662
55	46.6	103,247	62,417	55	52.4	105,723	63,915	55	56.7	108,200	65,412	60	60.0	96,298	58,217
60	41.4	95,014	57,440	60	48.2	97,395	58,879	60	53.2	99,775	60,319	65	57.2	88,800	53,683
65	35.7	85,886	51,922	65	43.8	89,161	53,902	65	49.5	92,437	55,882	70	54.3	82,269	49,735
70	29.0	77,760	47,009	70	39.0	81,874	49,496	70	45.6	85,988	51,984	75	51.3	76,529	46,265
75	20.4	70,792	42,797	75	33.6	75,175	45,447	75	41.4	79,559	48,097	80	48.2	70,808	42,806
80	0.0	64,548	39,022	80	27.3	68,599	41,471	80	36.9	72,650	43,920	85	44.9	64,659	39,089
				85	19.2	61,300	37,059	85	31.8	66,580	40,251	90	41.4	59,256	35,823
				90	0.0	55,800	33,734	90	25.9	61,140	36,962	95	37.7	54,415	32,896
								95	18.2	56,300	34,036	100	33.6	50,107	30,292
								100	0.0	51,940	31,400	105	29.0	46,227	27,946
												110	23.6	38,770	23,438
												115	16.6	29,400	17,774
												120	0.0	12,560	7,593

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
4.6	79.2	100,000	60,455	5.2	79.2	100,000	60,455	5.8	79.1	100,000	60,455	6.7	79.5	90,909	54,959
6.1	75.6	100,000	60,455	6.1	77.2	100,000	60,455	6.1	78.5	100,000	60,455	7.6	78.0	89,000	53,805
7.6	71.8	100,000	60,455	7.6	73.9	96,273	58,201	7.6	75.6	93,455	56,498	9.1	75.6	83,175	50,283
9.1	68.0	84,890	51,320	9.1	70.6	85,610	51,755	9.1	72.6	86,331	52,191	10.7	73.1	76,835	46,450
10.7	64.1	72,497	43,828	10.7	67.1	73,657	44,529	10.7	69.5	74,817	45,230	12.2	70.6	66,587	40,255
12.2	60.0	63,548	38,418	12.2	63.6	64,819	39,186	12.2	66.5	66,091	39,955	13.7	68.0	58,821	35,560
13.7	55.8	56,742	34,303	13.7	60.0	58,019	35,075	13.7	63.3	59,295	35,847	15.2	65.4	52,773	31,904
15.2	51.3	51,351	31,044	15.2	56.3	52,566	31,779	15.2	60.0	53,782	32,514	16.8	62.8	47,866	28,937
16.8	46.6	46,930	28,372	16.8	52.4	48,056	29,052	16.8	56.7	49,182	29,733	18.3	60.0	43,772	26,462
18.3	41.4	43,188	26,109	18.3	48.2	44,270	26,763	18.3	53.2	45,352	27,418	19.8	57.2	40,364	24,402
19.8	35.7	39,039	23,601	19.8	43.8	40,528	24,501	19.8	49.5	42,017	25,401	21.3	54.3	37,395	22,607
21.3	29.0	35,345	21,368	21.3	39.0	37,215	22,498	21.3	45.6	39,085	23,629	22.9	51.3	34,786	21,030
22.9	20.4	32,178	19,453	22.9	33.6	34,171	20,658	22.9	41.4	36,163	21,862	24.4	48.2	32,185	19,457
24.4	0.0	29,340	17,737	24.4	27.3	31,181	18,851	24.4	36.9	33,023	19,964	25.9	44.9	29,390	17,768
				25.9	19.2	27,864	16,845	25.9	31.8	30,264	18,296	27.4	41.4	26,935	16,283
				27.4	0.0	25,364	15,333	27.4	25.9	27,791	16,801	29.0	37.7	24,734	14,953
								29.0	18.2	25,591	15,471	30.5	33.6	22,776	13,769
								30.5	0.0	23,609	14,273	32.0	29.0	21,012	12,703
												33.5	23.6	17,623	10,654
												35.1	16.6	13,364	8,079
												36.6	0.0	5,709	3,451

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



Techcrane Designs Previously Approved By

