

# T60 Load Capacity By Boom Length



MODEL T60-43-73				MODEL T60-56-100				MODEL T60-76-120																			
US UNITS: RETRACTED BOOM LENGTH: 43 (ft)				US UNITS: EXTENDED BOOM LENGTH: 73 (ft)				US UNITS: RETRACTED BOOM LENGTH: 56 (ft)				US UNITS: EXTENDED BOOM LENGTH: 100 (ft)				US UNITS: RETRACTED BOOM LENGTH: 76 (ft)				US UNITS: EXTENDED BOOM LENGTH: 120 (ft)							
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	REACH (ft)	ANGLE (deg)	ONBOARD LOAD (STATIC) lbs	OFFBOARD LOAD (DYNAMIC) lbs	REACH (ft)	ANGLE (deg)	ONBOARD LOAD (STATIC) lbs	OFFBOARD LOAD (DYNAMIC) lbs
8	79.3	78,700	52,336	13.5	79.4	60,000	39,900	10.4	79.3	78,700	52,336	18.5	79.4	48,750	32,419	10	82.5	60,630	40,319	13	83.8	25,150	16,725				
10	76.6	78,700	52,336	15	78.2	43,500	28,928	15	74.5	60,000	39,900	20	78.5	39,600	26,334	15	78.7	48,411	32,193	15	82.9	24,581	16,346				
15	69.6	72,575	48,262	20	74.1	36,000	23,940	20	69.1	44,225	29,410	25	75.6	34,300	22,810	20	74.8	39,827	26,485	20	80.4	21,122	14,046				
20	62.3	52,100	34,647	25	70.0	30,600	20,349	25	63.5	36,300	24,140	30	72.6	30,150	20,050	25	70.8	31,211	20,756	25	78.0	18,315	12,179				
25	54.5	40,250	26,766	30	65.8	26,700	17,756	30	57.6	30,925	20,565	35	69.5	27,150	18,055	30	66.8	25,445	16,921	30	75.6	15,994	10,636				
30	45.8	32,450	21,579	35	61.4	22,900	15,229	35	51.3	27,000	17,955	40	66.5	24,000	15,960	35	62.6	21,309	14,171	35	73.1	14,040	9,337				
35	35.5	27,425	18,238	40	56.8	20,700	13,766	40	44.4	24,320	16,173	45	63.3	21,450	14,264	40	58.3	18,192	12,098	40	70.6	12,373	8,228				
40	21.5	23,300	15,495	45	52.0	18,400	12,236	45	36.5	21,625	14,381	50	60.0	19,325	12,851	45	53.7	15,754	10,477	45	68.0	10,932	7,270				
43	0.0	21,350	14,198	50	46.8	16,700	11,106	50	26.8	19,575	13,017	55	56.7	17,500	11,638	50	48.9	13,792	9,172	50	65.4	9,673	6,433				
				55	41.1	15,000	9,975	55	10.8	17,250	11,471	60	53.2	15,975	10,623	55	43.7	12,173	8,095	55	62.8	8,567	5,697				
				60	34.7	13,900	9,244	65	49.5	14,625	9,726	65	37.9	10,800	7,182	60	37.9	10,800	7,182	60	60.0	7,586	5,044				
				65	27.1	12,800	8,512	70	45.6	13,450	8,944	70	31.2	9,599	6,383	65	31.2	9,599	6,383	65	57.2	6,706	4,459				
				70	16.5	11,300	7,515	75	41.4	12,425	8,263	75	22.9	8,479	5,638	70	22.9	8,479	5,638	70	54.3	5,916	3,934				
				73	0.0	10,900	7,249	80	36.9	10,700	7,116	80	9.3	7,104	4,724	75	9.3	7,104	4,724	75	51.3	5,201	3,459				
								85	31.8	10,000	6,650	85	0.0	6,182	4,111	80	48.2	4,552	3,027	80	48.2	4,552	3,027				
								90	25.9	9,350	6,218	90				85	44.9	3,958	2,632	85	44.9	3,958	2,632				
								95	18.2	8,775	5,835	95				90	41.4	3,412	2,269	90	41.4	3,412	2,269				
								100	0.0	7,400	4,921	100				95	37.7	2,911	1,936	95	37.7	2,911	1,936				
																100	33.6	2,446	1,627	100	33.6	2,446	1,627				
																105	29.0	2,015	1,340	105	29.0	2,015	1,340				
																110	23.6	1,615	1,074	110	23.6	1,615	1,074				
																115	16.6	1,241	825	115	16.6	1,241	825				
																120	0.0	576	383	120	0.0	576	383				

  

SI UNITS RETRACTED BOOM LENGTH = 13 Meters				SI UNITS EXTENDED BOOM LENGTH = 22 Meters				SI UNITS RETRACTED BOOM LENGTH = 17 Meters				SI UNITS EXTENDED BOOM LENGTH = 30 Meters				SI UNITS RETRACTED BOOM LENGTH = 23 Meters				SI UNITS EXTENDED BOOM LENGTH = 36.6 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	REACH (m)	ANGLE (deg)	ONBOARD LOAD (STATIC) Kg	OFFBOARD LOAD (DYNAMIC) Kg	REACH (m)	ANGLE (deg)	ONBOARD LOAD (STATIC) Kg	OFFBOARD LOAD (DYNAMIC) Kg
2.4	79.3	35,773	23,789	4.1	79.4	27,273	18,136	3.2	79.3	35,773	23,789	5.6	79.4	22,159	14,736	3.0	82.5	27,559	18,327	4.0	83.8	11,432	7,602				
3.0	76.6	35,773	23,789	4.6	78.2	19,773	13,149	4.6	74.5	27,273	18,136	6.1	78.5	18,000	11,970	4.6	78.7	22,005	14,633	4.6	82.9	11,173	7,430				
4.6	69.6	32,989	21,937	6.1	74.1	16,364	10,882	6.1	69.1	20,102	13,368	7.6	75.6	15,591	10,368	6.1	74.8	18,103	12,038	6.1	80.4	9,601	6,385				
6.1	62.3	23,682	15,748	7.6	70.0	13,909	9,250	7.6	63.5	16,500	10,973	9.1	72.6	13,705	9,114	7.6	70.8	14,187	9,434	7.6	78.0	8,325	5,536				
7.6	54.5	18,295	12,166	9.1	65.8	12,136	8,071	9.1	57.6	14,057	9,348	10.7	69.5	12,341	8,207	9.1	66.8	11,566	7,691	9.1	75.6	7,270	4,835				
9.1	45.8	14,750	9,809	10.7	61.4	10,409	6,922	10.7	51.3	12,273	8,161	12.2	66.5	10,909	7,255	10.7	62.6	9,686	6,441	10.7	73.1	6,382	4,244				
10.7	35.5	12,466	8,290	12.2	56.8	9,409	6,257	12.2	44.4	11,055	7,351	13.7	63.3	9,750	6,484	12.2	58.3	8,269	5,499	12.2	70.6	5,624	3,740				
12.2	21.5	10,591	7,043	13.7	52.0	8,364	5,562	13.7	36.5	9,830	6,537	15.2	60.0	8,784	5,841	13.7	53.7	7,161	4,762	13.7	68.0	4,969	3,304				
13.1	0.0	9,705	6,454	15.2	46.8	7,591	5,048	15.2	26.8	8,898	5,917	16.8	56.7	7,955	5,290	15.2	48.9	6,269	4,169	15.2	65.4	4,397	2,924				
				16.8	41.1	6,818	4,534	16.8	10.8	7,841	5,214	18.3	53.2	7,261	4,829	16.8	43.7	5,533	3,679	16.8	62.8	3,894	2,590				
				18.3	34.7	6,318	4,202	19.8	49.5	6,648	4,421	19.8	37.9	4,909	3,264	18.3	37.9	4,909	3,264	18.3	60.0	3,448	2,293				
				19.8	27.1	5,818	3,869	21.3	45.6	6,114	4,066	21.3	31.2	4,363	2,901	19.8	31.2	4,363	2,901	19.8	57.2	3,048	2,027				
				21.3	16.5	5,136	3,416	22.9	41.4	5,648	3,756	22.9	22.9	3,854	2,563	21.3	22.9	3,854	2,563	21.3	54.3	2,689	1,788				
				22.3	0.0	4,955	3,295	24.4	36.9	4,864	3,234	24.4	9.3	3,229	2,147	22.9	9.3	3,229	2,147	22.9	51.3	2,364	1,572				
								25.9	31.8	4,545	3,023	25.9	0.0	2,810	1,869	24.4	48.2	2,069	1,376	24.4	48.2	2,069	1,376				
								27.4	25.9	4,250	2,826	27.4				25.9	44.9	1,799	1,196	25.9	44.9	1,799	1,196				
								29.0	18.2	3,989	2,652	29.0				27.4	41.4	1,551	1,031	27.4	41.4	1,551	1,031				
								30.5	0.0	3,364	2,237	30.5				29.0	37.7	1,323	880	29.0	37.7	1,323	880				
																30.5	33.6	1,112	739	30.5	33.6	1,112	739				
																32.0	29.0	916	609	32.0	29.0	916	609				
																33.5	23.6	734	488	33.5	23.6	734	488				
																35.1	16.6	564	375	35.1	16.6	564	375				
																36.6	0.0	262	174	36.6	0.0	262	174				

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

**TECHCRANE**

Techcrane Designs Previously Approved By

