

K7

Load Capacity By Boom Length

MODEL K7-7-12				MODEL K7-10-25				MODEL K7 20-40															
US UNITS: KNUCKLE DOWN 7 (ft)				US UNITS: EXTENDED BOOM LENGTH: 12 (ft)				US UNITS: KNUCKLE DOWN 10 (ft)				US UNITS: EXTENDED BOOM LENGTH: 25 (ft)				US UNITS: KNUCKLE DOWN 20 (ft)				US UNITS: EXTENDED BOOM LENGTH: 40 (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
2	73.4	8,700	5,786	2.5	78.0	8,700	5,786	3.2	71.4	8,700	5,786	3.2	82.7	8,700	5,786	4.8	76.2	8,700	5,786	5.8	81.7	8,700	5,786
5	44.4	8,700	5,786	5	65.4	8,700	5,786	5	60.0	8,700	5,786	5	78.5	8,700	5,786	5	75.6	7,850	5,220	10	75.6	8,110	5,393
7	0.0	8,700	5,786	10	33.6	8,700	5,786	10	0.0	6,050	4,023	10	66.5	6,620	4,402	10	60.0	6,390	4,249	15	68.0	7,599	5,053
				12	0.0	6,933	4,610					15	53.2	5,488	3,650	15	41.4	5,250	3,491	20	60.0	6,720	4,469
												20	36.9	4,120	2,740	20	0.0	4,800	3,192	25	51.3	5,105	3,395
																				30	41.4	3,875	2,577
																				35	29.0	2,450	1,629
																				40	0.0	1,855	1,234

SI UNITS: KNUCKLE DOWN 2 Meters				SI UNITS EXTENDED BOOM LENGTH = 3.7 Meters				SI UNITS: KNUCKLE DOWN 3 Meters				SI UNITS EXTENDED BOOM LENGTH = 7.6 Meters				SI UNITS: KNUCKLE DOWN 6 Meters				SI UNITS EXTENDED BOOM LENGTH = 12 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
0.6	73.4	3,955	2,630	0.8	78.0	3,955	2,630	1.0	71.4	3,955	2,630	1.0	82.7	3,955	2,630	1.5	76.2	3,955	2,630	1.8	81.7	3,955	2,630
1.5	44.4	3,955	2,630	1.5	65.4	3,955	2,630	1.5	60.0	3,955	2,630	1.5	78.5	3,955	2,630	1.5	75.6	3,568	2,373	3.0	75.6	3,686	2,451
2.1	0.0	3,955	2,630	3.0	33.6	3,955	2,630	3.0	0.0	2,750	1,829	3.0	66.5	3,009	2,001	3.0	60.0	2,905	1,932	4.6	68.0	3,454	2,297
				3.7	0.0	3,151	2,096					4.6	53.2	2,495	1,659	4.6	41.4	2,386	1,587	6.1	60.0	3,055	2,031
												6.1	36.9	1,873	1,245	6.1	0.0	2,182	1,451	7.6	51.3	2,320	1,543
																				9.1	41.4	1,761	1,171
																				10.7	29.0	1,114	741
																				12.2	0.0	843	561

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

