

Hydrostatics

Relative water density : 1.0000

Trim: 0.000 (m)

Draft (m)	Volume (m ³)	Displ FW (tonnes)	Displ. (tonnes)	LCB (m)	VCB (m)	TCB (m)	Aw (m ²)	LCF (m)	KMt (m)	KMI (m)	MCT (t*m/cm)	TpCm (t/cm)
0.000	0.000	0.000	0.000	3.178	0.000	0.000	0.000	3.132	0.000	0.00	0.000	0.000
0.010	0.001	0.001	0.001	1.828	0.007	0.000	0.292	1.817	0.314	76.60	0.000	0.003
0.020	0.006	0.006	0.006	1.819	0.013	0.000	0.588	1.814	0.627	39.94	0.001	0.006
0.030	0.013	0.013	0.013	1.816	0.020	0.000	0.876	1.811	0.880	27.35	0.001	0.009
0.040	0.023	0.023	0.023	1.813	0.026	0.000	1.020	1.806	0.687	20.98	0.001	0.010
0.050	0.033	0.033	0.033	1.811	0.032	0.000	1.102	1.804	0.537	17.10	0.002	0.011
0.060	0.045	0.045	0.045	1.809	0.038	0.000	1.157	1.803	0.442	14.41	0.002	0.012
0.070	0.057	0.057	0.057	1.808	0.044	0.000	1.197	1.805	0.382	12.38	0.002	0.012
0.080	0.069	0.069	0.069	1.808	0.049	0.000	1.228	1.808	0.342	10.77	0.002	0.012
0.090	0.081	0.081	0.081	1.808	0.055	0.000	1.253	1.811	0.314	9.46	0.002	0.013
0.100	0.094	0.094	0.094	1.808	0.060	0.000	1.275	1.814	0.296	8.41	0.002	0.013
0.110	0.107	0.107	0.107	1.809	0.066	0.000	1.298	1.816	0.282	7.59	0.002	0.013
0.120	0.120	0.120	0.120	1.810	0.071	0.000	1.321	1.818	0.273	6.93	0.002	0.013
0.130	0.133	0.133	0.133	1.811	0.076	0.000	1.344	1.820	0.266	6.40	0.002	0.013
0.140	0.146	0.146	0.146	1.812	0.082	0.000	1.366	1.822	0.262	5.96	0.002	0.014
0.150	0.160	0.160	0.160	1.813	0.087	0.000	1.389	1.824	0.259	5.58	0.002	0.014

NOTE 1: Draft (and all other vertical heights) is measured from base Z=0.000

NOTE 2: All calculated coefficients based on project length, draft and beam.

Nomenclature

Draft	<i>Moulded draft, measured from baseline</i>
Volume	<i>Total displaced volume</i>
Displ FW	<i>Displacement fresh water</i>
Displ.	<i>Displacement</i>
LCB	<i>Longitudinal center of buoyancy, measured from the aft perpendicular at X=0.0</i>
VCB	<i>Vertical center of buoyancy</i>
TCB	<i>Transverse center of buoyancy</i>
Aw	<i>Waterplane area</i>
LCF	<i>Waterplane center of floatation, measured from the aft perpendicular at X=0.0</i>
KMt	<i>Transverse metacentric height</i>
KMI	<i>Longitudinal metacentric height</i>
MCT	<i>Moment to change trim one unit</i>
TpCm	<i>Weight to change the immersion with one unit</i>