

Hydrostatics

Relative water density : 1.0250

Trim: 0.000 (ft)

Displ FW (long ton)	VCB (ft)	TCB (ft)	KMt (ft)	KMI (ft)	MCT (tonft/inch)	It (ft ⁴)	II (ft ⁴)	BMt (ft)	BMI (ft)	TpCm (ton/inch)
0.000	0.000	0.000	0.000	0.00	0.000	0.0	0.0	0.000	0.000	0.000
0.012	0.049	0.000	2100.235	463.72	0.012	2568.6	567.1	2100.186	463.671	0.075
0.033	0.099	0.000	981.993	333.62	0.025	5070.9	1722.4	981.894	333.521	0.149
0.061	0.150	0.000	629.202	274.58	0.038	7206.0	3143.7	629.052	274.430	0.211
0.096	0.201	0.000	459.767	238.95	0.052	9088.9	4721.7	459.565	238.746	0.266
0.137	0.253	0.000	360.989	214.13	0.066	10788.1	6396.2	360.736	213.878	0.315
0.183	0.304	0.000	296.540	195.37	0.080	12345.5	8129.3	296.236	195.066	0.360
0.234	0.356	0.000	251.264	180.38	0.095	13787.4	9892.6	250.908	180.028	0.401
0.290	0.407	0.000	217.658	167.78	0.109	15124.7	11652.4	217.251	167.374	0.440
0.350	0.459	0.000	191.680	156.60	0.123	16364.1	13362.4	191.221	156.145	0.475
0.414	0.510	0.000	170.880	146.05	0.135	17500.4	14950.0	170.370	145.541	0.508
0.481	0.561	0.000	153.863	136.12	0.147	18541.1	16394.9	153.303	135.557	0.537
0.552	0.611	0.000	139.784	127.20	0.157	19506.9	17742.8	139.173	126.587	0.565
0.626	0.662	0.000	128.001	119.37	0.167	20413.2	19029.2	127.339	118.706	0.590
0.703	0.712	0.000	118.022	112.53	0.177	21270.5	20275.4	117.310	111.822	0.615
0.783	0.762	0.000	109.480	106.57	0.186	22086.6	21496.2	108.718	105.812	0.638
0.865	0.812	0.000	102.094	101.35	0.196	22867.0	22699.7	101.282	100.541	0.660
0.951	0.862	0.000	95.652	96.76	0.205	23616.6	23893.2	94.790	95.900	0.681
1.038	0.912	0.000	89.989	92.71	0.214	24339.3	25082.6	89.077	91.797	0.701
1.128	0.962	0.000	84.979	89.11	0.224	25039.7	26272.2	84.017	88.153	0.721
1.221	1.011	0.000	80.521	85.92	0.233	25720.9	27466.5	79.509	84.905	0.740
1.315	1.061	0.000	76.532	83.07	0.242	26386.1	28670.3	75.471	82.004	0.759
1.412	1.111	0.000	72.945	80.52	0.252	27037.4	29888.0	71.834	79.408	0.777
1.511	1.160	0.000	69.688	78.17	0.262	27670.3	31095.1	68.528	77.009	0.795
0.865	0.000	0.000	0.000	0.00	0.000	0.0	0.0	0.000	0.000	0.000

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

Displ FW	<i>Displacement fresh water</i>
VCB	<i>Vertical center of buoyancy</i>
TCB	<i>Transverse center of buoyancy</i>
KMt	<i>Transverse metacentric height</i>
KMI	<i>Longitudinal metacentric height</i>
MCT	<i>Moment to change trim one unit</i>
It	<i>Transverse moment of inertia</i>

Nomenclature

II	<i>Longitudinal moment of inertia</i>
BMt	<i>Transverse metacentric radius</i>
BMI	<i>Longitudinal metacentric radius</i>
TpCm	<i>Weight to change the immersion with one unit</i>
