Hydrostatics

Relative water density : 1,0250
Mean shell thickness : 0,0280 (m)

Trim: 0,000 (m)

Draft (m)	Volume (m^3)	Displ FW (tonnes)	Displ. (tonnes)	LCB (m)	VCB (m)	TCB (m)	Cb	Aw (m^2)	LCF (m)	KMt (m)	KMl (m)	MCT (t*m/cm)	TpCm (t/cm)
0,000	0,09	0,09	0,09	21,321	0,000	0,000	0,000	3,1	22,054	2257,959	53954,32	0,564	0,032
0,100	72,83	72,83	74,65	46,811	0,053	0,000	0,505	620,0	46,507	116,154	2659,60	22,306	6,355
0,200	138,71	138,71	142,18	46,558	0,105	0,000	0,481	672,6	46,230	64,094	1433,54	22,900	6,895
0,300	208,64	208,64	213,86	46,402	0,158	0,000	0,482	710,8	46,059	46,045	1005,04	24,147	7,285
0,400	281,83	281,83	288,87	46,287	0,211	0,000	0,489	741,7	45,940	36,684	783,38	25,420	7,603
0,500	357,75	357,75	366,69	46,197	0,265	0,000	0,496	768,2	45,850	30,877	646,72	26,635	7,874
0,600	436,07	436,07	446,97	46,124	0,318	0,000	0,504	791,5	45,778	26,885	553,58	27,786	8,113
0,700	516,55	516,55	529,46	46,063	0,372	0,000	0,512	812,3	45,720	23,945	485,77	28,876	8,326
0,800	598,96	598,96	613,94	46,010	0,426	0,000	0,519	831,2	45,671	21,686	434,06	29,913	8,519
0,900	683,17	683,17	700,25	45,963	0,480	0,000	0,526	848,6	45,629	19,889	393,31	30,908	8,698
1,000	769,02	769,02	788,25	45,922	0,533	0,000	0,533	864,6	45,590	18,421	360,27	31,861	8,862
1,100	856,40	856,40	877,81	45,885	0,587	0,000	0,540	879,5	45,555	17,194	332,89	32,775	9,015
1,200	945,21	945,21	968,84	45,852	0,641	0,000	0,546	893,4	45,523	16,149	309,82	33,657	9,157
1,300	1035,35	1035,35	1061,24	45,821	0,696	0,000	0,552	906,4	45,492	15,250	290,17	34,517	9,290
1,400	1126,73	1126,73	1154,90	45,792	0,750	0,000	0,558	918,5	45,463	14,466	273,09	35,341	9,414
1,500	1219,29	1219,29	1249,77	45,765	0,804	0,000	0,564	930,0	45,434	13,780	258,23	36,149	9,532
1,600	1312,95	1312,95	1345,77	45,740	0,858	0,000	0,569	940,8	45,406	13,174	245,14	36,937	9,644
1,700	1407,68	1407,68	1442,87	45,716	0,912	0,000	0,574	951,2	45,376	12,636	233,52	37,710	9,750
1,800	1503,41	1503,41	1541,00	45,693	0,966	0,000	0,579	961,2	45,344	12,157	223,20	38,479	9,852
1,900	1600,14	1600,14	1640,14	45,670	1,020	0,000	0,584	970,8	45,310	11,729	213,95	39,241	9,951
2,000	1697,80	1697,80	1740,25	45,648	1,074	0,000	0,589	980,2	45,271	11,344	205,70	40,011	10,047
2,100	1796,40	1796,40	1841,31	45,626	1,129	0,000	0,593	989,4	45,228	10,997	198,29	40,791	10,142
2,200	1895,91	1895,91	1943,31	45,603	1,183	0,000	0,598	998,5	45,177	10,683	191,67	41,592	10,235
2,300	1996,33	1996,33	2046,24	45,580	1,237	0,000	0,602	1007,5	45,120	10,399	185,73	42,418	10,327
2,400	2097,65	2097,65	2150,09	45,556	1,291	0,000	0,606	1016,5	45,054	10,140	180,42	43,275	10,419
2,500	2199,86	2199,86	2254,86	45,531	1,346	0,000	0,610	1025,6	44,979	9,904	175,69	44,171	10,512
2,600	2303,00	2303,00	2360,57	45,504	1,400	0,000	0,614	1034,6	44,895	9,689	171,46	45,106	10,605
2,700	2407,03	2407,03	2467,21	45,475	1,455	0,000	0,618	1043,8	44,801	9,492	167,71	46,088	10,699
2,800	2511,99	2511,99	2574,79	45,445	1,509	0,000	0,622	1053,1	44,699	9,312	164,36	47,113	10,794
2,900	2617,88	2617,88	2683,33	45,412	1,564	0,000	0,626	1062,4	44,586	9,146	161,39	48,188	10,890
3,000	2724,72	2724,72	2792,84	45,377	1,619	0,000	0,630	1071,9	44,465	8,994	158,74	49,306	10,987
3,100	2832,52	2832,52	2903,34	45,340	1,674	0,000	0,634	1081,5	44,336	8,854	156,39	50,471	11,085
3,200	2941,28	2941,28	3014,82	45,300	1,729	0,000	0,638	1091,2	44,198	8,725	154,31	51,687	11,184
3,300	3051,02	3051,02	3127,30	45,257	1,784	0,000	0,641	1101,0	44,054	8,607	152,47	52,947	11,285
3,400	3161,75	3161,75	3240,80	45,212	1,839	0,000	0,645	1110,8	43,902	8,498	150,83	54,252	11,386
3,500	3273,48	3273,48	3355,32	45,165	1,894	0,000	0,649	1120,9	43,742	8,399	149,40	55,611	11,489
3,600	3386,24	3386,24	3470,89	45,114	1,950	0,000	0,652	1131,1	43,575	8,308	148,18	57,027	11,594

Draft (m)	Volume (m^3)	Displ FW (tonnes)	Displ. (tonnes)	LCB (m)	VCB (m)	TCB (m)	Cb	Aw (m^2)	LCF (m)	KMt (m)	KMl (m)	MCT (t*m/cm)	TpCm (t/cm)
3,700	3500,02	3500,02	3587,52	45,061	2,006	0,000	0,656	1141,5	43,397	8,223	147,12	58,496	11,700
3,800	3614,86	3614,86	3705,23	45,005	2,061	0,000	0,660	1152,0	43,214	8,147	146,24	60,026	11,808
3,900	3730,78	3730,78	3824,04	44,946	2,117	0,000	0,663	1162,9	43,019	8,078	145,58	61,640	11,920
4,000	3847,75	3847,75	3943,94	44,884	2,173	0,000	0,667	1173,7	42,822	8,014	144,94	63,267	12,030
4,100	3965,89	3965,89	4065,03	44,819	2,229	0,000	0,671	1184,8	42,609	7,958	144,54	64,998	12,145
4,200	4085,10	4085,10	4187,23	44,751	2,286	0,000	0,675	1196,0	42,401	7,906	144,17	66,753	12,259
4,300	4205,44	4205,44	4310,58	44,681	2,342	0,000	0,678	1207,3	42,184	7,862	143,89	68,556	12,375
4,400	4326,89	4326,89	4435,07	44,607	2,399	0,000	0,682	1218,2	41,975	7,820	143,56	70,344	12,487
4,500	4449,44	4449,44	4560,67	44,532	2,456	0,000	0,686	1229,2	41,765	7,784	143,27	72,158	12,599
4,600	4573,07	4573,07	4687,40	44,454	2,513	0,000	0,690	1240,0	41,562	7,751	142,95	73,964	12,710
4,700	4697,73	4697,73	4815,17	44,374	2,570	0,000	0,693	1250,3	41,370	7,721	142,54	75,730	12,816
4,800	4823,43	4823,43	4944,02	44,293	2,627	0,000	0,697	1260,6	41,181	7,695	142,11	77,487	12,921
4,900	4950,13	4950,13	5073,88	44,211	2,684	0,000	0,701	1270,5	41,000	7,671	141,66	79,229	13,023
5,000	5077,78	5077,78	5204,72	44,128	2,741	0,000	0,704	1280,1	40,831	7,649	141,12	80,924	13,121
5,100	5206,41	5206,41	5336,57	44,044	2,798	0,000	0,708	1289,5	40,665	7,631	140,58	82,613	13,218
5,200	5335,94	5335,94	5469,34	43,960	2,856	0,000	0,712	1298,8	40,504	7,613	140,03	84,298	13,313

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