

## Hydrostatics

Relative water density : 1,0250

Mean shell thickness : 0,0050 (m)

*Trim: 0,000 (m)*

Draft (m)	Volume (m <sup>3</sup> )	Displ FW (tonnes)	Displ. (tonnes)	LCB (m)	VCB (m)	TCB (m)	Aw (m <sup>2</sup> )	LCF (m)	KMt (m)	KMI (m)	MCT (t*m/cm)	TpCm (t/cm)
1,775	11,000	11,000	11,275	6,277	1,320	0,000	20,201	6,256	2,316	10,30	0,074	0,207
1,825	12,039	12,039	12,339	6,274	1,361	0,000	21,244	6,236	2,364	10,46	0,083	0,218
1,875	13,129	13,129	13,457	6,270	1,402	0,000	22,284	6,219	2,413	10,58	0,091	0,228
1,925	14,272	14,272	14,629	6,265	1,442	0,000	23,325	6,204	2,461	10,68	0,099	0,239
1,975	15,466	15,466	15,853	6,260	1,481	0,000	24,359	6,190	2,510	10,75	0,108	0,250

*Trim: 0, 100 (m)*

Draft (m)	Volume (m <sup>3</sup> )	Displ FW (tonnes)	Displ. (tonnes)	LCB (m)	VCB (m)	TCB (m)	Aw (m <sup>2</sup> )	LCF (m)	KMt (m)	KMI (m)	MCT (t*m/cm)	TpCm (t/cm)
1,775	10,925	10,925	11,198	6,343	1,317	0,000	20,064	6,333	2,308	10,23	0,073	0,206
1,825	11,956	11,956	12,255	6,341	1,358	0,000	21,105	6,313	2,357	10,39	0,081	0,216
1,875	13,040	13,040	13,366	6,338	1,399	0,000	22,147	6,294	2,406	10,52	0,090	0,227
1,925	14,176	14,176	14,530	6,333	1,439	0,000	23,187	6,277	2,454	10,63	0,098	0,238
1,975	15,363	15,363	15,747	6,328	1,478	0,000	24,217	6,263	2,502	10,70	0,107	0,248

*Trim: 0,200 (m)*

Draft (m)	Volume (m <sup>3</sup> )	Displ FW (tonnes)	Displ. (tonnes)	LCB (m)	VCB (m)	TCB (m)	Aw (m <sup>2</sup> )	LCF (m)	KMt (m)	KMI (m)	MCT (t*m/cm)	TpCm (t/cm)
1,775	10,862	10,862	11,133	6,408	1,315	0,000	19,937	6,411	2,301	10,17	0,072	0,204
1,825	11,887	11,887	12,184	6,407	1,356	0,000	20,975	6,389	2,350	10,33	0,080	0,215
1,875	12,964	12,964	13,288	6,405	1,397	0,000	22,016	6,369	2,399	10,46	0,089	0,226
1,925	14,093	14,093	14,445	6,401	1,437	0,000	23,055	6,350	2,448	10,57	0,097	0,236
1,975	15,274	15,274	15,656	6,396	1,476	0,000	24,098	6,333	2,497	10,65	0,106	0,247

*Trim: 0,300 (m)*

Draft (m)	Volume (m <sup>3</sup> )	Displ FW (tonnes)	Displ. (tonnes)	LCB (m)	VCB (m)	TCB (m)	Aw (m <sup>2</sup> )	LCF (m)	KMt (m)	KMI (m)	MCT (t*m/cm)	TpCm (t/cm)
1,775	10,810	10,810	11,080	6,473	1,314	0,000	19,816	6,487	2,295	10,10	0,072	0,203
1,825	11,829	11,829	12,125	6,473	1,355	0,000	20,855	6,465	2,345	10,26	0,079	0,214
1,875	12,900	12,900	13,223	6,471	1,396	0,000	21,893	6,443	2,394	10,39	0,087	0,224
1,925	14,023	14,023	14,373	6,468	1,435	0,000	22,934	6,423	2,443	10,51	0,096	0,235
1,975	15,197	15,197	15,577	6,464	1,475	0,000	23,979	6,406	2,492	10,60	0,105	0,246

*Trim: 0,400 (m)*

Draft (m)	Volume (m <sup>3</sup> )	Displ FW (tonnes)	Displ. (tonnes)	LCB (m)	VCB (m)	TCB (m)	Aw (m <sup>2</sup> )	LCF (m)	KMt (m)	KMI (m)	MCT (t*m/cm)	TpCm (t/cm)
1,775	10,770	10,770	11,039	6,537	1,314	0,000	19,715	6,563	2,290	10,04	0,071	0,202
1,825	11,783	11,783	12,078	6,538	1,355	0,000	20,746	6,539	2,340	10,20	0,079	0,213
1,875	12,848	12,848	13,170	6,537	1,396	0,000	21,780	6,517	2,389	10,33	0,086	0,223
1,925	13,965	13,965	14,314	6,535	1,435	0,000	22,823	6,497	2,439	10,45	0,095	0,234
1,975	15,134	15,134	15,513	6,531	1,474	0,000	23,872	6,480	2,488	10,56	0,104	0,245

*Trim: 0,500 (m)*

Draft (m)	Volume (m <sup>3</sup> )	Displ FW (tonnes)	Displ. (tonnes)	LCB (m)	VCB (m)	TCB (m)	Aw (m <sup>2</sup> )	LCF (m)	KMt (m)	KMI (m)	MCT (t*m/cm)	TpCm (t/cm)
1,775	10,741	10,741	11,009	6,601	1,315	0,000	19,624	6,637	2,286	9,99	0,070	0,201
1,825	11,749	11,749	12,043	6,603	1,356	0,000	20,644	6,613	2,336	10,13	0,078	0,212
1,875	12,809	12,809	13,129	6,602	1,396	0,000	21,680	6,591	2,386	10,27	0,086	0,222
1,925	13,921	13,921	14,269	6,601	1,436	0,000	22,724	6,571	2,435	10,39	0,094	0,233
1,975	15,084	15,084	15,461	6,598	1,475	0,000	23,756	6,555	2,484	10,49	0,102	0,244

*Trim: 0,600 (m)*

Draft (m)	Volume (m <sup>3</sup> )	Displ FW (tonnes)	Displ. (tonnes)	LCB (m)	VCB (m)	TCB (m)	Aw (m <sup>2</sup> )	LCF (m)	KMt (m)	KMI (m)	MCT (t*m/cm)	TpCm (t/cm)
1,775	10,722	10,722	10,991	6,664	1,317	0,000	19,539	6,710	2,282	9,93	0,070	0,200
1,825	11,726	11,726	12,019	6,667	1,358	0,000	20,556	6,687	2,332	10,07	0,077	0,211
1,875	12,781	12,781	13,101	6,667	1,398	0,000	21,594	6,664	2,383	10,21	0,085	0,221
1,925	13,888	13,888	14,235	6,666	1,437	0,000	22,638	6,644	2,433	10,34	0,093	0,232
1,975	15,047	15,047	15,424	6,664	1,476	0,000	23,690	6,626	2,483	10,46	0,102	0,243

*Trim: 0,700 (m)*

Draft (m)	Volume (m <sup>3</sup> )	Displ FW (tonnes)	Displ. (tonnes)	LCB (m)	VCB (m)	TCB (m)	Aw (m <sup>2</sup> )	LCF (m)	KMt (m)	KMI (m)	MCT (t*m/cm)	TpCm (t/cm)
1,775	10,715	10,715	10,982	6,727	1,319	0,000	19,467	6,782	2,279	9,87	0,069	0,200
1,825	11,714	11,714	12,007	6,730	1,360	0,000	20,489	6,759	2,331	10,02	0,076	0,210
1,875	12,765	12,765	13,085	6,732	1,400	0,000	21,513	6,739	2,380	10,16	0,084	0,221
1,925	13,868	13,868	14,215	6,731	1,440	0,000	22,560	6,717	2,432	10,29	0,093	0,231
1,975	15,023	15,023	15,399	6,729	1,479	0,000	23,615	6,700	2,482	10,42	0,101	0,242



*Trim: 0,800 (m)*

Draft (m)	Volume (m <sup>3</sup> )	Displ FW (tonnes)	Displ. (tonnes)	LCB (m)	VCB (m)	TCB (m)	Aw (m <sup>2</sup> )	LCF (m)	KMt (m)	KMI (m)	MCT (t*m/cm)	TpCm (t/cm)
1,775	10,717	10,717	10,985	6,789	1,323	0,000	19,411	6,853	2,278	9,83	0,069	0,199
1,825	11,713	11,713	12,006	6,793	1,364	0,000	20,428	6,830	2,330	9,97	0,076	0,209
1,875	12,761	12,761	13,080	6,796	1,404	0,000	21,461	6,810	2,380	10,12	0,084	0,220
1,925	13,860	13,860	14,207	6,796	1,443	0,000	22,504	6,791	2,431	10,26	0,092	0,231
1,975	15,012	15,012	15,387	6,795	1,482	0,000	23,554	6,773	2,481	10,38	0,101	0,241

*Trim: 0,900 (m)*

Draft (m)	Volume (m <sup>3</sup> )	Displ FW (tonnes)	Displ. (tonnes)	LCB (m)	VCB (m)	TCB (m)	Aw (m <sup>2</sup> )	LCF (m)	KMt (m)	KMI (m)	MCT (t*m/cm)	TpCm (t/cm)
1,775	10,729	10,729	10,998	6,851	1,327	0,000	19,368	6,925	2,277	9,79	0,068	0,199
1,825	11,723	11,723	12,016	6,856	1,368	0,000	20,382	6,902	2,329	9,94	0,076	0,209
1,875	12,768	12,768	13,087	6,859	1,408	0,000	21,415	6,882	2,381	10,09	0,084	0,220
1,925	13,865	13,865	14,211	6,860	1,447	0,000	22,456	6,863	2,431	10,23	0,092	0,230
1,975	15,013	15,013	15,389	6,859	1,486	0,000	23,506	6,845	2,482	10,35	0,100	0,241

*Trim: 1,000 (m)*

Draft (m)	Volume (m <sup>3</sup> )	Displ FW (tonnes)	Displ. (tonnes)	LCB (m)	VCB (m)	TCB (m)	Aw (m <sup>2</sup> )	LCF (m)	KMt (m)	KMI (m)	MCT (t*m/cm)	TpCm (t/cm)
1,775	10,752	10,752	11,021	6,913	1,332	0,000	19,333	6,994	2,278	9,75	0,068	0,198
1,825	11,744	11,744	12,037	6,919	1,373	0,000	20,356	6,974	2,330	9,92	0,076	0,209
1,875	12,786	12,786	13,106	6,922	1,413	0,000	21,382	6,954	2,382	10,06	0,083	0,219
1,925	13,881	13,881	14,228	6,924	1,452	0,000	22,421	6,935	2,433	10,20	0,091	0,230
1,975	15,027	15,027	15,403	6,924	1,491	0,000	23,465	6,917	2,483	10,32	0,100	0,241

NOTE 1: Draft (and all other vertical heights) is measured from base Z=0,000

NOTE 2: All calculated coefficients based on actual dimensions of submerged body.

### 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>