

# First Class Europe

	Angle du vent	vitesse vent apparent	angle va	vitesse voilier	VMG en N	Gite en °	voile d'avant	GV		
-----	3.0 knots	True Wind Speed	-----	-----	-----	-----	-----	-----		
	36.0	4.9	21.2	2.015	1.630	.6	3.89	1.00		
	44.0	5.2	24.7	2.502	1.800	.8	2.95	1.00		
OPT Tack	47.0	5.3	25.9	2.661	1.814	.8	2.71	1.00		
	52.0	5.4	27.8	2.889	1.779	.8	2.40	1.00		
	60.0	5.5	30.8	3.177	1.588	.8	2.03	1.00		
	70.0	5.4	34.6	3.410	1.166	.8	1.70	1.00		
	80.0	5.1	38.8	3.506	.609	.7	1.44	1.00		
	90.0	4.7	43.7	3.477	0.000	.6	1.23	1.00		
-----	98.6	-----	^	Genoa / Spinnaker v	-----	-----	-----	-----		
	105.0	3.9	52.0	3.333	-.863	.5	.90	1.00		
	120.0	3.0	65.0	2.938	-1.469	.3	.62	1.00		
	135.0	2.2	86.9	2.386	-1.687	.1	.34	1.00		
OPT Gybe	137.9	2.1	92.5	2.278	-1.691	.1	.30	1.00		
	150.0	1.8	118.1	1.891	-1.637	0.0	.14	1.00		
	165.0	1.6	150.0	1.616	-1.561	0.0	.08	1.00		
	180.0	1.6	180.0	1.500	-1.500	0.0	.05	1.00		
-----	Handicaps:		(seconds/mile)		-----					
	Optimum Tack:	1985.0	Gybe:	2128.5	60deg:	1133.3	~100:	1064.7	135:	1508.8
	Linear-random:	1396.9	Circ:	1491.5	Olymp:	1887.2	W/L:	2056.8	AC92:	1845.8
	BELL Versions:	1498.9	:	1563.1	:	2089.7	:	2295.5	GPH:	585.6
-----	4.0 knots True Wind Speed		-----							
	36.0	6.5	21.2	2.670	2.160	1.2	3.92	1.00		
	44.0	6.9	24.9	3.284	2.362	1.3	3.00	1.00		
C . Tack	46.0	7.0	25.7	3.412	2.370	1.4	2.84	1.00		
	52.0	7.1	28.2	3.743	2.305	1.4	2.47	1.00		
	60.0	7.1	31.4	4.079	2.040	1.5	2.10	1.00		
	70.0	7.0	35.5	4.349	1.488	1.4	1.76	1.00		
	80.0	6.6	39.9	4.456	.774	1.2	1.50	1.00		
	90.0	6.1	45.0	4.414	0.000	1.0	1.27	1.00		
-----	95.9	-----	^	Genoa / Spinnaker v	-----	-----	-----	-----		
	105.0	5.1	53.6	4.259	-1.102	.8	.93	1.00		
	120.0	4.0	66.5	3.792	-1.896	.4	.63	1.00		
	135.0	2.9	87.6	3.142	-2.222	.2	.35	1.00		
OPT Gybe	139.6	2.7	96.2	2.935	-2.236	.1	.27	1.00		
	150.0	2.3	118.3	2.511	-2.175	0.0	.14	1.00		
	165.0	2.2	150.1	2.150	-2.076	0.0	.09	1.00		
	180.0	2.2	180.0	1.995	-1.995	0.0	.05	1.00		
-----	Handicaps:		(seconds/mile)		-----					
	Optimum Tack:	1518.8	Gybe:	1610.2	60deg:	882.5	~100:	835.1	135:	1145.7
	Linear-random:	1075.9	Circ:	1139.6	Olymp:	1438.2	W/L:	1564.5	AC92:	1407.8
	BELL Versions:	1142.4	:	1187.6	:	1570.3	:	1716.0	GPH:	585.6

----- 6.0 knots True Wind Speed -----

	36.0	9.6	21.4	3.860	3.123	2.7	4.11	1.00	1.00
	44.0	10.1	25.3	4.656	3.349	3.1	3.19	1.00	1.00
OPT Tack	45.3	10.2	25.9	4.767	3.353	3.2	3.08	1.00	1.00
	52.0	10.4	28.8	5.273	3.246	3.3	2.63	1.00	1.00
	60.0	10.4	32.2	5.736	2.868	3.4	2.23	1.00	1.00
	70.0	10.1	36.6	6.098	2.086	3.2	1.87	1.00	1.00
	80.0	9.5	41.5	6.225	1.081	2.7	1.59	1.00	1.00

----- 89.7 ----- ^ Genoa / Spinnaker v -----

	90.0	8.8	46.8	6.177	0.000	2.5	1.28	1.00	1.00
	105.0	7.4	55.9	5.980	-1.548	1.7	.97	1.00	1.00
	120.0	5.8	69.6	5.330	-2.665	.9	.65	1.00	1.00
	135.0	4.4	90.5	4.483	-3.170	.3	.35	1.00	1.00
OPT Gybe	143.2	3.9	105.5	4.032	-3.230	.2	.22	1.00	1.00
	150.0	3.6	119.5	3.683	-3.190	.1	.15	1.00	1.00
	165.0	3.3	150.3	3.197	-3.088	0.0	.09	1.00	1.00
	180.0	3.3	179.9	2.976	-2.976	0.0	.05	1.00	1.00

----- Handicaps: ----- (seconds/mile) -----  
 Optimum Tack: 1073.6 Gybe: 1114.5 60deg: 627.6 ~100: 595.5 135: 803.1  
 Linear-random: 757.5 Circ: 796.5 Olymp: 1010.5 W/L: 1094.1 AC92: 987.6  
 BELL Versions: 799.2 : 826.7 : 1081.6 : 1166.5 GPH: 585.6

----- 8.0 knots True Wind Speed -----

	36.0	12.6	21.4	4.901	3.965	6.0	4.37	1.00	1.00
	44.0	13.2	25.5	5.883	4.232	8.2	3.38	1.00	1.00
C Tack	44.8	13.2	25.9	5.971	4.234	8.4	3.30	1.00	1.00
	52.0	13.4	29.3	6.577	4.049	9.1	2.80	1.00	1.00
	60.0	13.2	33.2	6.993	3.497	8.7	2.42	1.00	1.00
	70.0	12.7	38.5	7.272	2.487	7.1	2.07	1.00	1.00
	80.0	12.0	44.0	7.372	1.280	5.1	1.76	1.00	1.00

----- 85.3 ----- ^ Genoa / Spinnaker v -----

	90.0	11.1	49.6	7.427	0.000	4.8	1.43	1.00	1.00
	105.0	9.5	59.4	7.226	-1.870	2.9	1.03	1.00	1.00
	120.0	7.6	72.3	6.702	-3.351	1.5	.67	1.00	1.00
	135.0	5.9	92.6	5.749	-4.065	.6	.36	1.00	1.00
OPT Gybe	143.8	5.2	108.4	5.155	-4.157	.3	.22	1.00	1.00
	150.0	4.8	121.0	4.758	-4.121	.2	.16	1.00	1.00
	165.0	4.4	150.8	4.175	-4.033	.1	.09	1.00	1.00
	180.0	4.4	179.9	3.905	-3.905	0.0	.05	1.00	1.00

----- Handicaps: ----- (seconds/mile) -----  
 Optimum Tack: 850.2 Gybe: 866.0 60deg: 514.8 ~100: 493.7 135: 626.2  
 Linear-random: 614.0 Circ: 641.3 Olymp: 794.6 W/L: 858.1 AC92: 778.2  
 BELL Versions: 641.5 : 662.3 : 863.1 : 930.7 GPH: 585.6

----- 10.0 knots True Wind Speed -----

	36.0	15.3	21.3	5.682	4.596	13.6	4.53	.95	1.00
OPT Tack	42.4	15.6	24.6	6.499	4.802	16.6	3.78	.97	1.00
	44.0	15.7	25.4	6.659	4.790	17.1	3.65	.98	1.00
	52.0	15.6	29.6	7.245	4.460	18.1	3.14	1.00	1.00
	60.0	15.4	34.1	7.650	3.825	17.1	2.72	1.00	1.00
	70.0	14.9	40.0	7.993	2.734	14.7	2.31	1.00	1.00
	80.0	14.1	46.1	8.177	1.420	11.3	1.95	1.00	1.00

----- 83.6 ----- ^ Genoa / Spinnaker v -----

	90.0	13.1	52.1	8.307	0.000	10.8	1.57	1.00	1.00
	105.0	11.4	63.0	8.136	-2.106	4.4	1.12	1.00	1.00
	120.0	9.3	76.6	7.596	-3.798	2.1	.71	1.00	1.00
	135.0	7.4	95.2	6.846	-4.841	.9	.37	1.00	1.00
OPT Gybe	145.0	6.4	112.3	6.174	-5.059	.4	.21	1.00	1.00
	150.0	6.1	122.1	5.809	-5.030	.3	.17	1.00	1.00
	165.0	5.6	151.3	5.119	-4.945	.1	.10	1.00	1.00
	180.0	5.6	179.9	4.794	-4.794	.1	.06	1.00	1.00

----- Handicaps: ----- (seconds/mile) -----  
 Optimum Tack: 749.7 Gybe: 711.6 60deg: 470.6 ~100: 439.4 135: 525.8  
 Linear-random: 538.0 Circ: 556.8 Olymp: 684.2 W/L: 730.6 AC92: 667.0  
 BELL Versions: 553.3 : 569.4 : 729.4 : 786.6 GPH: 585.6

----- 12.0 knots True Wind Speed -----

	36.0	17.6	21.3	6.190	5.008	18.1	4.37	.82	1.00
OPT Tack	40.5	17.8	23.9	6.736	5.118	19.9	3.84	.83	1.00
	44.0	17.8	25.8	7.045	5.068	20.8	3.58	.84	1.00
	52.0	17.7	30.2	7.592	4.674	22.4	3.17	.88	1.00
	60.0	17.2	34.6	8.035	4.018	23.6	2.88	.94	1.00
	70.0	16.6	40.5	8.507	2.909	23.0	2.51	1.00	1.00
	80.0	15.9	47.2	8.831	1.533	18.9	2.10	1.00	1.00

----- 88.6 ----- ^ Genoa / Spinnaker v -----

	90.0	14.8	53.8	9.018	0.000	18.0	1.67	1.00	1.00
	105.0	13.3	65.3	9.050	-2.342	8.4	1.18	1.00	1.00
	120.0	11.0	79.8	8.457	-4.229	2.9	.75	1.00	1.00
	135.0	8.9	98.8	7.629	-5.394	1.1	.39	1.00	1.00
	150.0	7.4	123.4	6.756	-5.851	.4	.18	1.00	1.00
OPT Gybe	158.7	7.0	139.6	6.308	-5.877	.3	.13	1.00	1.00
	165.0	6.8	151.7	6.051	-5.845	.2	.10	1.00	1.00
	180.0	6.8	179.9	5.671	-5.671	.1	.06	1.00	1.00

----- Handicaps: ----- (seconds/mile) -----  
 Optimum Tack: 703.3 Gybe: 612.6 60deg: 448.0 ~100: 398.3 135: 471.9  
 Linear-random: 487.4 Circ: 501.2 Olymp: 626.1 W/L: 658.0 AC92: 604.5  
 BELL Versions: 496.7 : 509.0 : 639.3 : 666.3 GPH: 585.6

----- 14.0 knots True Wind Speed -----

	36.0	19.8	21.4	6.486	5.247	21.4	4.31	.71	1.00
OPT Tack	39.5	19.9	23.5	6.887	5.312	22.5	3.90	.71	1.00
	44.0	19.9	26.2	7.274	5.233	23.6	3.56	.72	1.00
	52.0	19.6	31.0	7.826	4.818	24.5	3.16	.80	.98
	60.0	19.1	35.7	8.301	4.150	25.2	2.86	.89	.96
	70.0	18.3	41.7	8.809	3.013	25.8	2.54	.98	.96
	80.0	17.3	48.0	9.214	1.600	25.9	2.24	1.00	1.00
	90.0	16.5	55.8	9.514	0.000	20.3	1.85	1.00	1.00

----- 94.8 ----- ^ Genoa / Spinnaker v -----

	105.0	14.9	67.6	9.712	-2.514	13.6	1.24	1.00	1.00
	120.0	12.7	82.0	9.317	-4.658	3.9	.79	1.00	1.00
	135.0	10.5	101.3	8.408	-5.946	1.5	.41	1.00	1.00
	150.0	8.9	125.5	7.477	-6.475	.5	.20	1.00	1.00
OPT Gybe	163.8	8.2	150.1	6.916	-6.642	.3	.12	1.00	1.00
	165.0	8.1	152.3	6.875	-6.641	.3	.11	1.00	1.00
	180.0	8.1	179.9	6.512	-6.512	.1	.07	1.00	1.00

----- Handicaps: ----- (seconds/mile) -----

Optimum Tack: 677.7 Gybe: 542.0 60deg: 433.7 ~100: 373.2 135: 428.1  
 Linear-random: 456.0 Circ: 468.7 Olymp: 587.5 W/L: 609.9 AC92: 562.7  
 BELL Versions: 461.6 : 473.3 : 592.3 : 612.3 GPH: 585.6

----- 16.0 knots True Wind Speed -----

	36.0	21.9	21.6	6.651	5.381	23.1	4.34	.65	.97
OPT Tack	39.2	21.9	23.7	7.008	5.433	23.5	3.98	.68	.95
	44.0	21.9	26.8	7.432	5.346	24.1	3.62	.74	.93
	52.0	21.6	31.8	8.014	4.934	24.9	3.20	.83	.91
	60.0	21.1	36.8	8.524	4.262	25.7	2.87	.92	.89
	70.0	20.1	43.2	9.049	3.095	26.2	2.54	1.00	.90
	80.0	19.0	50.0	9.462	1.643	26.2	2.22	1.00	.94
	90.0	17.7	57.0	9.834	0.000	26.1	1.95	1.00	1.00

----- 97.3 ----- ^ Genoa / Spinnaker v -----

	105.0	16.2	69.7	10.209	-2.642	18.7	1.29	1.00	1.00
	120.0	14.4	84.3	10.021	-5.010	5.6	.83	1.00	1.00
	135.0	12.0	103.2	9.204	-6.508	1.9	.43	1.00	1.00
	150.0	10.4	127.2	8.162	-7.069	.7	.22	1.00	1.00
	165.0	9.6	153.1	7.542	-7.285	.4	.13	1.00	1.00
OPT Gybe	166.5	9.5	155.9	7.492	-7.287	.3	.12	1.00	1.00
	180.0	9.4	179.9	7.205	-7.205	.2	.07	1.00	1.00

----- Handicaps: ----- (seconds/mile) -----

Optimum Tack: 662.7 Gybe: 494.1 60deg: 422.3 ~100: 357.0 135: 391.1  
 Linear-random: 433.1 Circ: 445.8 Olymp: 560.6 W/L: 578.4 AC92: 534.3  
 BELL Versions: 436.3 : 448.5 : 562.6 : 577.9 GPH: 585.6

----- 20.0 knots True Wind Speed -----

	36.0	25.9	22.2	6.846	5.539	23.8	4.54	.68	.86
OPT Tack	39.2	26.0	24.6	7.219	5.591	24.3	4.16	.71	.84
	44.0	25.9	27.8	7.664	5.513	24.9	3.77	.77	.82
	52.0	25.5	33.2	8.312	5.117	25.9	3.29	.87	.80
	60.0	24.8	38.6	8.868	4.434	26.6	2.93	.96	.79
	70.0	23.7	45.6	9.407	3.217	27.0	2.55	1.00	.80
	80.0	22.5	53.1	9.860	1.712	26.6	2.21	1.00	.84
	90.0	21.0	60.8	10.284	0.000	26.9	1.93	1.00	.90

----- 99.3 ----- ^ Genoa / Spinnaker v -----

	105.0	18.6	73.3	10.918	-2.826	26.6	1.33	1.00	.98
	120.0	17.5	87.9	11.294	-5.647	13.0	.88	1.00	1.00
	135.0	15.3	106.6	10.531	-7.447	2.8	.47	1.00	1.00
	150.0	13.4	129.3	9.553	-8.273	1.2	.26	1.00	1.00
	165.0	12.4	154.3	8.874	-8.571	.6	.16	1.00	1.00
OPT Gybe	165.5	12.4	155.2	8.852	-8.572	.6	.15	1.00	1.00
	180.0	12.3	179.9	8.454	-8.454	.3	.09	1.00	1.00

----- Handicaps: ----- (seconds/mile) -----

Optimum Tack: 643.9 Gybe: 420.0 60deg: 405.9 ~100: 336.2 135: 341.8  
 Linear-random: 399.0 Circ: 413.5 Olymp: 523.6 W/L: 531.9 AC92: 494.0  
 BELL Versions: 400.4 : 414.7 : 525.0 : 534.8 GPH: 585.6

----- 24.0 knots True Wind Speed -----

	36.0	29.9	22.6	6.936	5.612	24.5	4.82	.69	.77
OPT Tack	39.8	29.9	25.5	7.390	5.680	25.2	4.33	.74	.76
	44.0	29.8	28.5	7.813	5.621	25.8	3.95	.80	.74
	52.0	29.3	34.2	8.523	5.247	26.9	3.40	.90	.72
	60.0	28.5	39.9	9.106	4.553	27.5	3.00	.99	.71
	70.0	27.3	47.5	9.662	3.305	27.7	2.58	1.00	.73
	80.0	25.8	55.4	10.168	1.766	27.5	2.22	1.00	.77
	90.0	24.2	63.6	10.653	0.000	27.8	1.92	1.00	.82

----- 93.9 ----- ^ Genoa / Spinnaker v -----

	105.0	21.7	76.8	11.478	-2.971	27.4	1.29	1.00	.90
	120.0	20.0	90.8	12.383	-6.192	20.9	.88	1.00	1.00
	135.0	18.5	108.4	11.994	-8.481	4.3	.50	1.00	1.00
	150.0	16.5	131.1	10.769	-9.326	1.8	.30	1.00	1.00
	165.0	15.5	155.2	10.069	-9.726	.9	.18	1.00	1.00
OPT Gybe	169.1	15.3	162.0	9.920	-9.742	.8	.16	1.00	1.00
	180.0	15.3	179.9	9.667	-9.667	.5	.11	1.00	1.00

----- Handicaps: ----- (seconds/mile) -----

Optimum Tack: 633.8 Gybe: 369.5 60deg: 395.3 ~100: 321.3 135: 300.1  
 Linear-random: 373.0 Circ: 390.7 Olymp: 497.9 W/L: 501.7 AC92: 466.4  
 BELL Versions: 373.6 : 391.2 : 498.2 : 501.6 GPH: 585.6

----- 28.0 knots True Wind Speed -----

	36.0	33.8	22.8	6.948	5.621	25.3	5.16	.70	.71
OPT Tack	<b>40.6</b>	<b>33.8</b>	<b>26.4</b>	<b>7.529</b>	<b>5.721</b>	<b>26.1</b>	<b>4.50</b>	<b>.77</b>	<b>.69</b>
	44.0	33.6	29.0	7.897	5.681	26.7	4.15	.81	.68
	52.0	33.0	34.9	8.661	5.332	27.9	3.53	.92	.66
	60.0	32.1	40.9	9.266	4.633	28.5	3.09	1.00	.65
	70.0	30.7	49.0	9.853	3.370	28.4	2.63	1.00	.67
	80.0	29.1	57.2	10.413	1.808	28.5	2.25	1.00	.71
	90.0	27.4	65.9	10.963	0.000	28.8	1.92	1.00	.76
	90.2			^ Genoa / Spinnaker v					
	105.0	24.8	79.6	11.975	-3.099	28.3	1.25	1.00	.84
	120.0	21.9	93.6	13.210	-6.605	27.9	.87	1.00	1.00
	135.0	21.5	109.5	13.566	-9.593	8.8	.51	1.00	1.00
	150.0	19.6	132.0	12.136	-10.510	2.6	.32	1.00	1.00
	165.0	18.5	155.8	11.255	-10.872	1.3	.21	1.00	1.00
OPT Gybe	<b>166.9</b>	<b>18.4</b>	<b>158.9</b>	<b>11.164</b>	<b>-10.875</b>	<b>1.2</b>	<b>.19</b>	<b>1.00</b>	<b>1.00</b>
	180.0	18.4	179.9	10.763	-10.763	.8	.13	1.00	1.00

----- Handicaps: ----- (seconds/mile) -----  
 Optimum Tack: 629.3 Gybe: 331.0 60deg: 388.5 ~100: 309.3 135: 265.4  
 Linear-random: 351.5 Circ: 373.2 Olymp: 479.2 W/L: 480.2 AC92: 446.1  
 BELL Versions: 352.0 : 373.6 : 479.8 : 479.9 GPH: 585.6

----- 32.0 knots True Wind Speed -----

	36.0	37.6	22.8	6.891	5.575	26.1	5.59	.71	.66
OPT Tack	<b>41.4</b>	<b>37.5</b>	<b>27.2</b>	<b>7.634</b>	<b>5.724</b>	<b>27.2</b>	<b>4.68</b>	<b>.79</b>	<b>.63</b>
	44.0	37.4	29.2	7.925	5.700	27.7	4.39	.83	.62
	52.0	36.6	35.4	8.738	5.380	28.9	3.68	.93	.61
	60.0	35.6	41.7	9.369	4.685	29.5	3.19	1.00	.60
	70.0	34.1	50.1	9.997	3.419	29.3	2.68	1.00	.63
	80.0	32.4	58.7	10.608	1.842	29.6	2.28	1.00	.66
	86.2			^ Genoa / Spinnaker v					
	90.0	30.7	68.0	11.250	0.000	28.9	1.68	1.00	.68
	105.0	27.8	81.8	12.413	-3.213	29.3	1.22	1.00	.78
	120.0	24.5	96.3	13.865	-6.933	30.4	.83	1.00	.95
	135.0	24.1	111.0	14.988	-10.598	15.3	.50	1.00	1.00
	150.0	22.5	132.4	13.663	-11.833	3.6	.34	1.00	1.00
OPT Gybe	<b>164.5</b>	<b>21.4</b>	<b>155.3</b>	<b>12.611</b>	<b>-12.153</b>	<b>1.9</b>	<b>.22</b>	<b>1.00</b>	<b>1.00</b>
	165.0	21.4	156.1	12.581	-12.152	1.8	.22	1.00	1.00
	180.0	21.3	179.9	11.970	-11.970	1.0	.14	1.00	1.00

----- Handicaps: ----- (seconds/mile) -----  
 Optimum Tack: 628.9 Gybe: 296.2 60deg: 384.2 ~100: 299.4 135: 240.2  
 Linear-random: 333.1 Circ: 359.4 Olymp: 466.0 W/L: 462.6 AC92: 430.5  
 BELL Versions: 333.3 : 359.6 : 466.4 : 462.8 GPH: 585.6

**UPRIGHT MEASUREMENT TRIM**

DISPLACEMENT..	3370.0	WATER DENSITY.	1025.19	FGO.....	.540
LONG. CG.....	4.327	LWL.....	9.829	FF.....	1.124
VERT. CG.....	-.128	MTmm.....	8.107	FA.....	.906
VERT. CB.....	.129	KgPmm.....	16.159	LBG.....	9.780
METACENTER....	-1.433	WETTED SURF...	21.058	HULL SURF AREA	42.520
LONG. CF.....	3.990	RM/DEG.....	78.527	LCG TOT. SURF.	4.226
VERT. CF.....	-.031	MAX. DRAFT....	1.931	VCG TOT. SURF.	-.217

**UPRIGHT SAILING TRIM**

DISPLACEMENT..	3930.0	WATER DENSITY.	1025.19	FF.....	1.105
LONG. CG.....	4.209	LWL.....	10.130	FA.....	.862
VERT. CG.....	.040	MTmm.....	9.324	CREW WT.....	560.000
VERT. CB.....	.104	KgPmm.....	17.337	GEAR WT.....	0.000
METACENTER....	-1.414	WETTED SURF...	22.425	SAILING LEN...	10.311
LONG. CF.....	3.860	RM/DEG.....	104.016	RATED BEAM....	2.568
VERT. CF.....	-.064	MAX. DRAFT....	1.963	EFF. B/Tc.....	5.612
AMAX.....	.658	EFF. DRAFT....	1.930	SUNK LENGTH...	11.744
SA / (DSPL)^2/3	28.095	SA / WS .....	3.069	DSPL/LSM (Eng)	99.155
RATED LENGTH..	10.337	AWP/ (DSPL)^2/3	6.904	100* VOL/LSM^3	.347

**SAILING TRIM WITH HEEL**

HEEL ANGLE	DWL @FF	DWL @FA	RTNG ARM	LONG C.B.	WET SURF.	SAILNG LEN.	EFF. B/Tc
0.0	.045	.078	0.000	4.21	22.42	10.311	5.61
2.0	.045	.077	.053	4.21	22.42	10.309	5.61
10.0	.044	.041	.260	4.22	22.20	10.267	5.60
20.0	.030	-.135	.584	4.26	21.00	10.046	5.27
40.0	-.014	-.417	.799	4.30	20.15	9.598	4.87
60.0	-.115	-.812	.878	4.315	18.16		
90.0	-.364	-1.198	.609	4.299	16.28		
120.0	-.626	-1.276	.093	4.288	16.99		
150.0	-.808	-1.053	-.407	4.275	18.92		
170.0	-.876	-.835	-.490	4.236	24.81		

**NOTES**

1. Long. positions are relative to dig. file origin (+Fwd,-Aft)
2. Vertical positions are relative to DWL (+Below -Abv), except DWL @FF and DWL @FA which locate the DWL relative to the LWL (positive=DWL Below LWL negative=DWL Above LWL)
3. Metacenter ht. is relative to the Center of Flotation, (CF)
4. Dimensions are in currently selected system units

MASTER FILE: eurM00

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FILE DATE: 22 Oct 1997  
BOAT NAME:  
MODIFIER:  
DIG\_FILE: 01BB1AD9  
SERVICE CODE: G  
DESIGNER:  
STOCK MODEL: first class europe  
\*\*\*\*\*

HOME:  
WORK:  
CUSTOMER CODE:

2. SPAR INFO

DT	DTT	DL	DLT	TL	HBIS	HBI	SFJ
.09	.06	.13	.09	1.3	.6	.543	0

DTY	DTTY	DLY	DLTY	TLY	HBIYS
0	0	0	0	0	0

3. APPENDAGES INFO

TK	HK	CRK	CTK	TRK	TTK	SK	XTEK	CAk	LCBk
1.9	1.6	1.4	.925	.08	.11	29	4.1	.66	.433

TR	HR	CRR	CTR	TRR	TTR	SR	XTER	CAr	LCBr
.134	.134	.64	.35	.08	.048	11	-.64	.682	.421

VOLK	WSK	CBXK	CBZK	VOLR	WSR	CBXR	CBZR	ECMA	XTEC
.115	3.72	4.971	1.087	.003	.133	-.494	.055	0	0

4. PROP INSTALLATION INFO

TYPE	PSA	PSL	PSD	SHL	SHD	PHL	PHD	PRD	PIPA
1	0	0	0	0	0	0	0	0	0

5. SAIL INFO

SPL	SMW	SL	I	J	LP	P	E	BAD	RGF
4.06	7.16	11.65	11.874	4.02	6	13.25	5.1	.65	1

PY	EY	YRGF	BADY	EB	YSF	YSMG	YSD	ISPIN
0	0	0	0	0	0	0	0	11.85

IGENK	GENKLP	GENKPL	GENKMW	GenkSA	SpinSA	EffWdrd	ActWdrd	TriWdrd
0	0	0	0	0	39.121	68.815	76.729	57.654

6. FLOTATION INFO

FGO	LBG	FFS	FAS	FF	FA	RMC	BDK	HEELIM	WATER
.54	9.78	1.15	.94	1.124	.906	78.4981	3.36	0	1025.19

DSPL	LCG	VCG	CW	XCW	ZCW	GW	XGW	YGW	ZGW
3 0	4.327	-.128	560	3.5	1.05	0	0	0	0

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