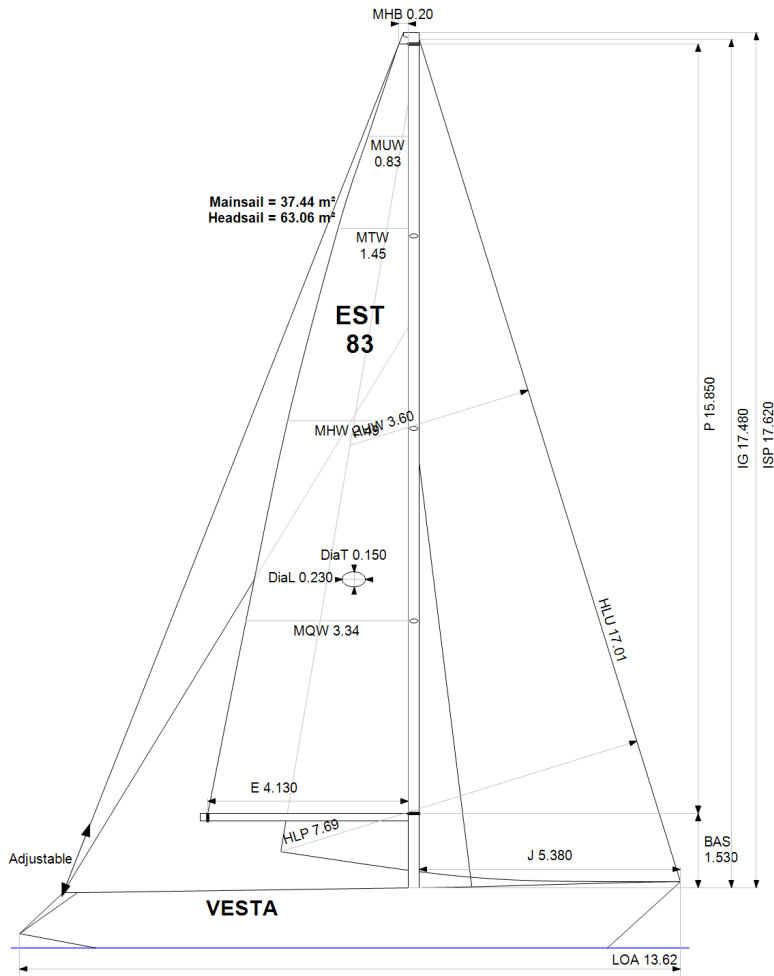


GPH = 642.6 **CDL = 9.902**



BOAT

Class **CETUS**
Designer **Hoffmann**
Builder **Teliga**
Age Date **01/1985**
Series Date **01/1981**
Offset File **CETUS.OFF**

HULL

Length Overall **13.620 m**
Maximum Beam **4.030 m**
Draft **2.214 m**
Displacement **9,599 kg**
DLR **7.1659**
IMS Division **Cruiser/Racer**
Dynamic Allowance **0.337%**
Age Allowance **0.487%**

PROPELLER

Installation **Shaft exposed**
Type **Feathering 3 blades**
Diameter **0.464m**

CREW

Maximum weight **790 kg**
Minimum weight **593 kg** * when applied
Non Manual Power **No**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	37.44	37.75
Headsail Luffed	63.06	63.06
Headsail Flying		

Symmetric
Asymmetric

SAIL LIMITATIONS

Headsails **6** * Woven polyester sails
Spinnakers **0** * Spinnaker pole aboard

STABILITY

Righting Moment **213.9 kg·m**
Stability Index **N/A**

OWNER

The owner certifies that he/she understands his/her responsibilities under ORC Rule and Regulations.

Rated boat velocities in knots							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	42.8°	41.3°	41.6°	40.9°	39.9°	40.1°	40.9°
Beat VMG	3.49	4.19	4.76	5.11	5.26	5.33	5.32
52°	5.33	6.32	7.07	7.43	7.58	7.64	7.68
60°	5.65	6.66	7.32	7.63	7.79	7.87	7.92
75°	5.90	6.92	7.50	7.80	8.02	8.18	8.34
90°	5.82	6.88	7.51	7.85	8.10	8.32	8.71
110°	5.17	6.29	7.22	7.70	8.01	8.29	8.88
120°	4.90	5.94	6.86	7.49	7.86	8.16	8.78
135°	4.19	5.27	6.16	6.98	7.54	7.88	8.48
150°	3.54	4.59	5.49	6.28	7.02	7.54	8.16
Run VMG	3.06	3.99	4.83	5.59	6.31	6.97	7.82
Gybe Angles	149.0°	156.0°	166.0°	170.0°	171.0°	174.0°	179.0°

Time Allowances in secs/NM							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1031.9	858.3	756.8	704.5	684.6	675.4	676.8
52°	675.0	569.2	509.0	484.5	475.2	471.0	468.8
60°	637.5	540.5	491.8	471.8	462.1	457.7	454.7
75°	610.5	520.3	480.1	461.3	449.1	440.3	431.9
90°	618.1	523.2	479.2	458.8	444.6	432.5	413.5
110°	695.8	572.0	498.7	467.6	449.6	434.0	405.5
120°	734.0	606.3	524.7	480.4	457.9	441.1	409.8
135°	859.3	683.2	584.2	515.5	477.7	456.7	424.5
150°	1018.0	784.0	656.2	573.0	512.7	477.6	441.0
Run VMG	1175.4	901.7	744.8	643.8	570.9	516.3	460.6
Selected Courses							
Windward / Leeward	1103.7	880.0	750.8	674.2	627.7	595.9	568.7
All purpose	834.7	679.3	592.1	543.5	515.3	497.1	476.6

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	709.2	0.8461
All purpose	567.7	1.0569

Custom scoring options for Estonia

Single Number	Time On Distance	Time On Time
Coastal/Long Distance	623.7	0.9620
Triple Number Coastal/Long Distance Low	757.0	0.7926
Triple Number Coastal/Long Distance Medium	564.0	1.0639
Triple Number Coastal/Long Distance High	493.9	1.2147
Triple Number Windward/Leeward Low	991.9	0.6049
Triple Number Windward/Leeward Medium	705.3	0.8507
Triple Number Windward/Leeward High	593.6	1.0107

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	1110.9	826.7	672.9	582.6	536.0	503.0	456.7

