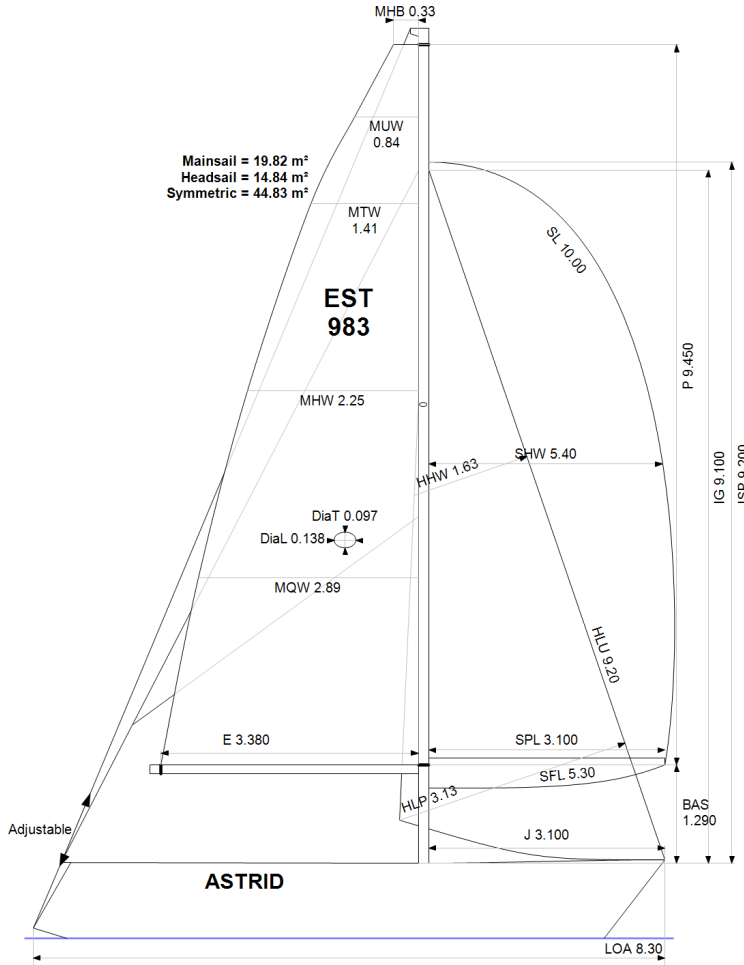


**GPH = 770.1** **CDL = 6.163**



**BOAT**

Class **FENIX**  
Designer  
Builder **MAXI**  
Age Date **01/1981**  
Series Date **01/1981**  
Offset File **fenix3.off**

**HULL**

Length Overall **8.300 m**  
Maximum Beam **2.894 m**  
Draft **1.574 m**  
Displacement **2,950 kg**  
DLR **8.6101**  
IMS Division **Cruiser/Racer**  
Dynamic Allowance **0.457%**  
Age Allowance **0.487%**

**PROPELLER**

Installation **Strut**  
Type **Folding 2 blades**  
Diameter **0.340m**

**CREW**

Maximum weight **350 kg**  
Minimum weight **263 kg** \* when applied  
Non Manual Power **No**  
Crew Arm Extension

**SAIL AREAS (m²)**

	Measured	Rated
Mainsail	<b>19.82</b>	<b>20.32</b>
Headsail Luffed	<b>14.84</b>	<b>14.84</b>
Headsail Flying		
Symmetric	<b>44.83</b>	<b>44.83</b>
Asymmetric		

**SAIL LIMITATIONS**

Headsails **5**  
Spinnakers **4**

**STABILITY**

Righting Moment **50.2 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	44.6°	42.9°	42.4°	42.2°	40.9°	40.5°	41.4°
Beat VMG	2.60	3.14	3.54	3.90	4.15	4.23	4.17
52°	4.03	4.78	5.37	5.79	6.03	6.13	6.13
60°	4.28	5.06	5.64	5.98	6.19	6.31	6.36
75°	4.46	5.29	5.86	6.15	6.34	6.52	6.73
90°	4.66	5.62	6.15	6.44	6.59	6.68	7.00
110°	4.71	5.69	6.21	6.53	6.85	7.15	7.46
120°	4.56	5.54	6.13	6.46	6.79	7.12	7.70
135°	4.03	5.01	5.85	6.26	6.56	6.89	7.54
150°	3.48	4.40	5.24	5.92	6.28	6.56	7.18
Run VMG	3.01	3.82	4.55	5.26	5.84	6.21	6.77
Gybe Angles	149.0°	153.0°	153.0°	166.0°	180.0°	180.0°	180.0°

Time Allowances in secs/NM							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1383.8	1145.7	1017.0	923.2	867.2	851.8	863.6
52°	893.9	752.7	670.3	621.3	597.3	587.7	586.9
60°	841.8	711.5	638.3	601.6	581.4	570.4	566.3
75°	807.5	680.5	614.6	585.8	567.4	552.2	535.1
90°	772.2	641.1	584.9	559.2	546.1	539.1	514.1
110°	764.6	633.0	580.2	551.4	525.6	503.7	482.3
120°	790.2	649.8	587.4	557.2	530.5	505.3	467.3
135°	892.8	718.2	615.9	575.5	548.8	522.8	477.2
150°	1035.8	818.0	687.1	608.0	573.4	548.6	501.6
Run VMG	1196.0	942.4	790.8	684.6	616.5	579.5	531.7
Selected Courses							
Windward / Leeward	1289.9	1044.1	903.9	803.9	741.8	715.7	697.6
All purpose	988.3	809.9	713.5	654.5	617.9	599.4	580.1

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	845.7	0.7095
All purpose	682.0	0.8798

### Custom scoring options for Estonia

Single Number	Time On Distance	Time On Time
Coastal/Long Distance	746.0	0.8043
Triple Number Coastal/Long Distance Low	899.0	0.6674
Triple Number Coastal/Long Distance Medium	678.0	0.8850
Triple Number Coastal/Long Distance High	596.8	1.0054
Triple Number Windward/Leeward Low	1166.9	0.5142
Triple Number Windward/Leeward Medium	841.8	0.7128
Triple Number Windward/Leeward High	715.5	0.8386

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	1280.5	976.3	808.6	700.6	642.7	606.6	550.9

