

GPH = **670.8** CDL = **7.964**

**BOAT**

Class **Amer. 7.5m**  
Designer **August Westin**  
Builder **Åbo Båtvarv**  
Age Date **01/1908**  
Series Date **01/1908**  
Offset File **Amer 7.5m.off**

**HULL**

Length Overall **11.900 m**  
Maximum Beam **2.258 m**  
Draft **1.716 m**  
Displacement **6,504 kg**  
DLR **11.3724**  
IMS Division **Cruiser/Racer**  
Dynamic Allowance **0.412%**  
Age Allowance **0.487%**

**PROPELLER**

Installation **Shaft exposed**  
Type **Solid 2 blades**  
Diameter **0.400m**

**CREW**

Maximum weight **450 kg**  
Minimum weight **338 kg \* when applied**  
Non Manual Power **No**  
Crew Arm Extension

**SAIL AREAS (m²)**

	Measured	Rated
Mainsail	<b>42.27</b>	<b>42.89</b>
Headsail Luffed	<b>24.19</b>	<b>24.19</b>
Headsail Flying		
Symmetric	<b>76.26</b>	<b>76.26</b>
Asymmetric		

**SAIL LIMITATIONS**

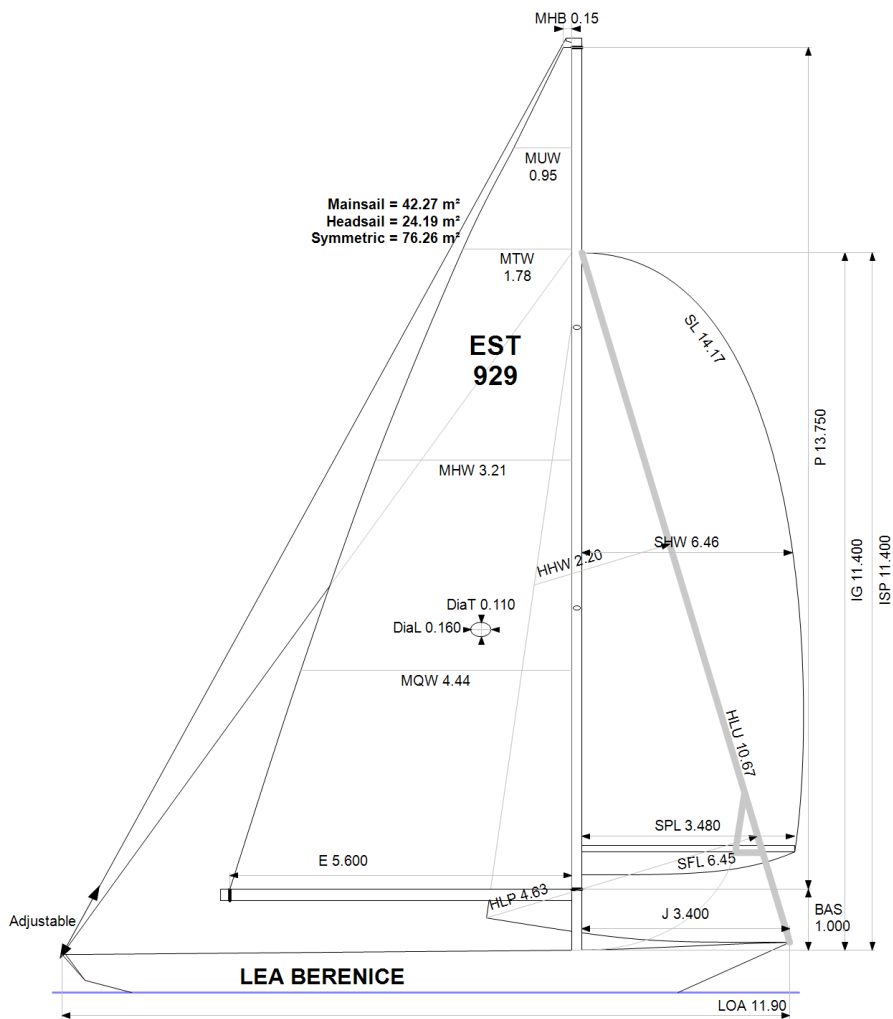
Headsails **1**  
Spinnakers **4**

**STABILITY**

Righting Moment **65.3 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	43.5°	41.3°	42.0°	42.0°	41.8°	41.6°	41.0°
Beat VMG	3.13	3.81	4.23	4.46	4.59	4.67	4.82
52°	4.80	5.73	6.40	6.68	6.82	6.90	7.03
60°	5.08	6.06	6.70	6.96	7.08	7.15	7.23
75°	5.31	6.33	6.91	7.19	7.35	7.44	7.52
90°	5.33	6.44	6.93	7.26	7.48	7.65	7.85
110°	5.36	6.54	7.16	7.45	7.61	7.74	7.99
120°	5.17	6.37	7.07	7.44	7.74	7.95	8.25
135°	4.56	5.69	6.71	7.21	7.54	7.85	8.53
150°	3.83	4.87	5.86	6.73	7.19	7.51	8.14
Run VMG	3.32	4.22	5.07	5.88	6.52	7.05	7.68
Gybe Angles	145.5°	150.0°	148.0°	155.5°	174.0°	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	1150.3	945.4	851.1	807.6	784.5	770.1	747.3
52°	750.7	627.8	562.3	538.7	527.9	521.9	512.1
60°	709.3	594.1	537.7	516.9	508.5	503.8	498.1
75°	678.3	569.1	520.8	500.5	489.5	484.1	478.6
90°	675.6	559.2	519.5	496.2	481.6	470.8	458.3
110°	671.4	550.2	502.9	483.4	473.3	464.8	450.6
120°	696.1	565.3	509.0	483.7	464.9	453.0	436.5
135°	789.8	632.7	536.7	499.5	477.7	458.4	422.2
150°	940.2	739.2	614.6	535.0	500.5	479.4	442.5
Run VMG	1085.6	853.5	709.7	612.2	551.7	510.8	468.9
Selected Courses							
Windward / Leeward	1118.0	899.4	780.4	709.9	668.1	640.5	608.1
All purpose	854.1	695.1	614.5	573.0	550.2	534.0	512.8

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	743.0	0.8076
All purpose	596.1	1.0065

### Custom scoring options for Estonia

Single Number	Time On Distance	Time On Time
Coastal/Long Distance	652.4	0.9197
Triple Number Coastal/Long Distance Low	774.6	0.7746
Triple Number Coastal/Long Distance Medium	591.3	1.0147
Triple Number Coastal/Long Distance High	530.1	1.1319
Triple Number Windward/Leeward Low	1008.7	0.5948
Triple Number Windward/Leeward Medium	738.7	0.8122
Triple Number Windward/Leeward High	635.3	0.9445

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	1114.7	842.4	698.1	614.1	570.7	539.0	491.2