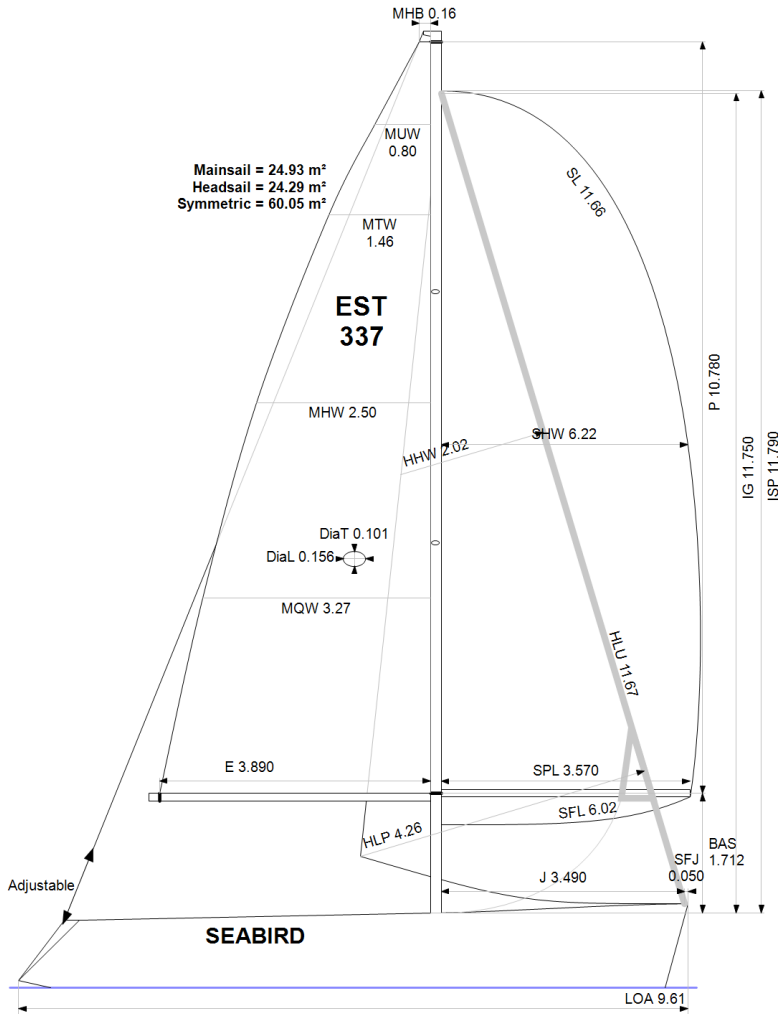


GPH = 674.7 **CDL = 8.192**



BOAT

Class **First 31.7**
Designer **Farr**
Builder **Beneteau S.A.**
Age Date **05/2003**
Series Date **02/1998**
Offset File **FIRST317.off**

HULL

Length Overall **9.610 m**
Maximum Beam **3.212 m**
Draft **1.919 m**
Displacement **3,639 kg**
DLR **5.1497**
IMS Division **Cruiser/Racer**
Dynamic Allowance **0.311%**
Age Allowance **0.487%**

PROPELLER

Installation **Strut**
Type **Folding 2 blades**
Diameter **0.410m**

CREW

Maximum weight **500 kg**
Minimum weight **375 kg * when applied**
Non Manual Power **No**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	24.93	25.46
Headsail Luffed	24.29	24.29
Headsail Flying		
Symmetric	60.05	60.05
Asymmetric		

SAIL LIMITATIONS

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

STABILITY

Righting Moment **78.5 kg·m**
Stability Index **109.9**

COMMENTS

ex. Evelyn II

OWNER

Rated boat velocities in knots							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	43.1°	42.0°	41.1°	39.8°	39.0°	39.0°	39.8°
Beat VMG	3.09	3.75	4.25	4.64	4.80	4.85	4.79
52°	4.75	5.65	6.30	6.67	6.84	6.89	6.90
60°	5.04	5.95	6.53	6.85	7.02	7.10	7.13
75°	5.26	6.19	6.71	7.00	7.23	7.43	7.60
90°	5.18	6.22	6.85	7.17	7.33	7.58	8.07
110°	5.21	6.33	6.94	7.34	7.74	8.11	8.55
120°	5.05	6.17	6.86	7.26	7.68	8.13	9.01
135°	4.55	5.62	6.49	6.99	7.36	7.80	8.80
150°	3.84	4.88	5.79	6.54	6.99	7.34	8.16
Run VMG	3.32	4.23	5.02	5.74	6.37	6.85	7.56
Gybe Angles	146.0°	150.0°	152.0°	157.0°	175.0°	180.0°	180.0°

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

Time Allowances in secs/NM							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1165.7	961.0	846.8	776.7	749.6	742.4	751.4
52°	757.3	637.2	571.1	539.7	526.6	522.4	522.1
60°	714.5	605.1	550.9	525.7	512.5	506.8	504.7
75°	685.0	581.2	536.3	514.0	497.6	484.8	473.9
90°	694.4	578.4	525.5	502.4	491.4	474.7	446.2
110°	690.3	568.4	518.5	490.8	465.0	443.8	421.3
120°	712.7	583.5	524.9	495.6	468.8	442.7	399.5
135°	791.3	640.9	554.9	515.4	488.9	461.7	409.3
150°	938.1	737.4	622.1	550.5	515.3	490.6	441.0
Run VMG	1083.2	851.5	717.2	627.6	565.6	525.3	476.5
Selected Courses							
Windward / Leeward	1124.5	906.2	782.0	702.2	657.6	633.9	613.9
All purpose	863.1	705.9	622.3	574.3	547.6	528.9	507.9

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	739.5	0.8114
All purpose	598.3	1.0028

Custom scoring options for Estonia

Single Number	Time On Distance	Time On Time
Coastal/Long Distance	653.1	0.9188
Triple Number Coastal/Long Distance Low	784.5	0.7648
Triple Number Coastal/Long Distance Medium	594.6	1.0091
Triple Number Coastal/Long Distance High	525.7	1.1413
Triple Number Windward/Leeward Low	1015.4	0.5909
Triple Number Windward/Leeward Medium	734.7	0.8167
Triple Number Windward/Leeward High	632.3	0.9489

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	1120.4	850.2	702.8	613.2	568.6	535.7	482.2