

GPH = 627.0 **CDL = 9.238**

BOAT

Class **First 36.7**
Designer **B.Farr**
Builder **Beneteau S.A.**
Age Date **05/2001**
Series Date **01/2001**
Offset File **FIRST367.off**

HULL

Length Overall **10.640 m**
Maximum Beam **3.458 m**
Draft **2.238 m**
Displacement **5,755 kg**
DLR **6.6721**
IMS Division **Cruiser/Racer**
Dynamic Allowance **0.146%**
Age Allowance **0.487%**

PROPELLER

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

CREW

Maximum weight **720 kg**
Minimum weight **540 kg * when applied**
Non Manual Power **No**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	36.55	36.98
Headsail Luffed	36.52	36.52
Headsail Flying		
Symmetric	88.44	88.44
Asymmetric		

SAIL LIMITATIONS

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

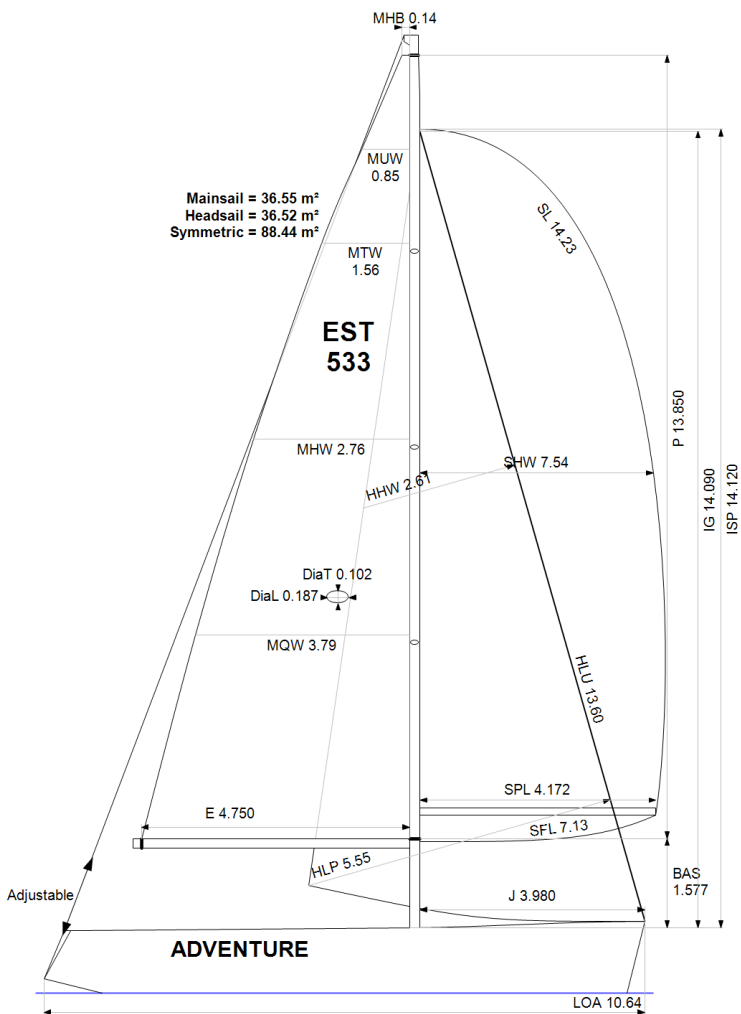
STABILITY

Righting Moment **140.6 kg·m**
Stability Index **N/A**

COMMENTS

Boat weight 5755kg

OWNER



Rated boat velocities in knots

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	42.0°	40.9°	40.5°	38.4°	37.9°	37.5°	38.3°
Beat VMG	3.45	4.14	4.71	5.09	5.23	5.30	5.28
52°	5.25	6.19	6.82	7.14	7.28	7.34	7.37
60°	5.53	6.47	7.00	7.29	7.46	7.54	7.59
75°	5.75	6.68	7.13	7.42	7.65	7.85	8.02
90°	5.68	6.66	7.23	7.54	7.71	7.98	8.44
110°	5.59	6.74	7.31	7.70	8.08	8.40	8.79
120°	5.43	6.58	7.23	7.62	8.02	8.44	9.18
135°	4.92	6.02	6.89	7.35	7.72	8.12	8.99
150°	4.15	5.21	6.15	6.91	7.34	7.68	8.44
Run VMG	3.59	4.51	5.33	6.07	6.70	7.19	7.87
Gybe Angles	145.0°	150.0°	151.0°	157.0°	174.0°	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	1042.4	870.0	765.1	707.9	687.8	679.6	682.3
52°	686.3	581.8	527.5	504.4	494.3	490.3	488.2
60°	650.8	556.1	514.3	494.1	482.7	477.5	474.1
75°	625.9	539.2	504.7	485.5	470.5	458.8	448.6
90°	633.7	540.4	497.8	477.7	467.1	451.2	426.4
110°	644.2	534.4	492.3	467.7	445.4	428.4	409.8
120°	663.4	546.8	498.1	472.2	448.8	426.4	392.2
135°	732.1	598.1	522.8	489.6	466.3	443.2	400.7
150°	867.3	691.0	585.4	521.1	490.5	468.6	426.5
Run VMG	1001.5	797.8	675.5	593.5	537.4	500.8	457.4
Selected Courses							
Windward / Leeward	1021.9	833.9	720.3	650.7	612.6	590.2	569.8
All purpose	787.9	652.3	578.7	537.7	514.9	498.0	478.8

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	683.8	0.8775
All purpose	558.4	1.0745

Custom scoring options for Estonia

Single Number	Time On Distance	Time On Time
Coastal/Long Distance	608.3	0.9864
Triple Number Coastal/Long Distance Low	720.1	0.8332
Triple Number Coastal/Long Distance Medium	555.2	1.0807
Triple Number Coastal/Long Distance High	495.0	1.2121
Triple Number Windward/Leeward Low	927.9	0.6466
Triple Number Windward/Leeward Medium	679.7	0.8828
Triple Number Windward/Leeward High	588.2	1.0201

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	1019.9	783.9	650.6	572.3	534.1	504.8	458.5