

GPH = 552.9 **CDL = 12.694**

BOAT

Class **First 53 F5**
 Designer **B. FARR**
 Builder **Beneteau**
 Age Date **01/1992**
 Series Date **04/1991**
 Offset File **F044.OFF**

HULL

Length Overall **15.757 m**
 Maximum Beam **4.502 m**
 Draft **2.569 m**
 Displacement **14,712 kg**
 DLR **5.3729**
 IMS Division **Cruiser/Racer**
 Dynamic Allowance **0.231%**
 Age Allowance **0.487%**

PROPELLER

Installation **Shaft exposed**
 Type **Feathering 2 blades**
 Diameter **0.500m**

CREW

Maximum weight **400 kg**
 Minimum weight **300 kg * when applied**
 Non Manual Power
 Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	72.55	73.68
Headsail Luffed	69.46	69.46
Headsail Flying		
Symmetric	168.87	168.87
Asymmetric		

SAIL LIMITATIONS

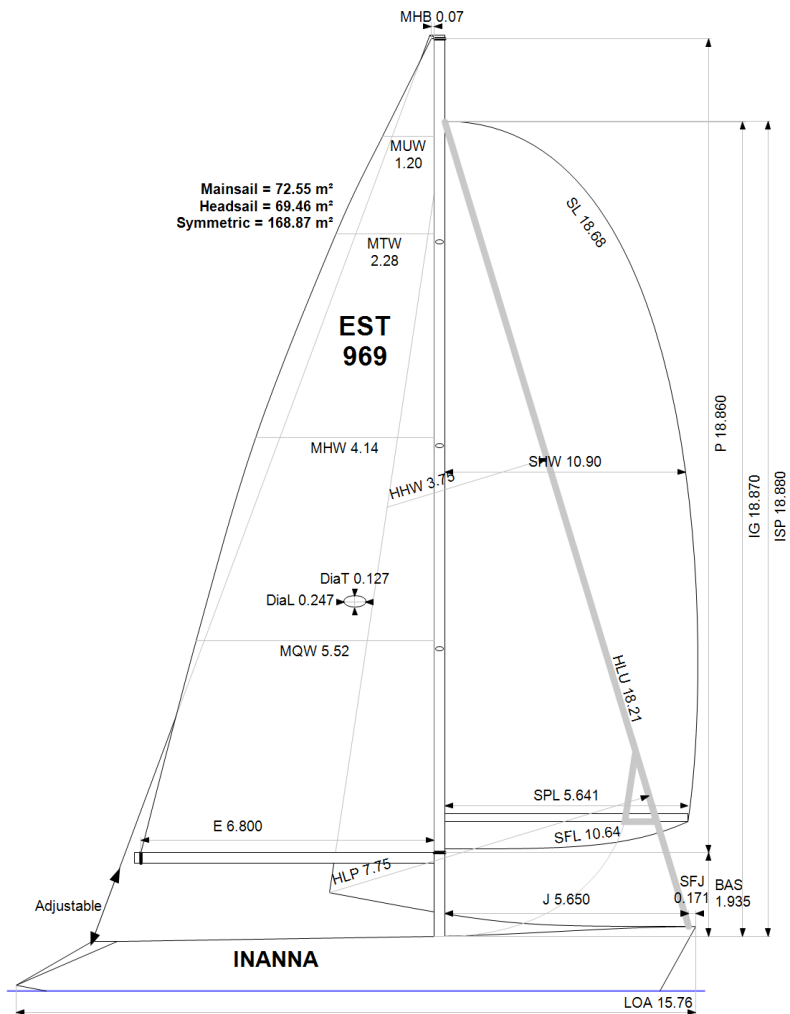
Headsails **1**
 Spinnakers **5**

STABILITY

Righting Moment **561.1 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°	42.0°	40.9°	40.1°	39.0°	38.4°	38.3°
Beat VMG	3.79	4.63	5.28	5.74	5.98	6.12	6.23
52°	5.85	6.99	7.84	8.31	8.53	8.64	8.74
60°	6.23	7.36	8.14	8.53	8.75	8.87	9.00
75°	6.55	7.67	8.35	8.72	8.98	9.19	9.47
90°	6.51	7.64	8.37	8.77	9.06	9.34	9.89
110°	6.21	7.56	8.47	8.94	9.33	9.69	10.17
120°	6.05	7.38	8.34	8.87	9.29	9.75	10.61
135°	5.45	6.75	7.82	8.54	8.98	9.40	10.41
150°	4.57	5.73	6.82	7.78	8.46	8.90	9.73
Run VMG	3.96	4.96	5.90	6.76	7.46	8.09	9.01
Gybe Angles	141.0°	147.0°	148.0°	152.0°	158.0°	174.0°	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	950.1	777.2	681.9	627.2	601.6	588.2	577.9
52°	615.2	515.1	458.9	433.4	422.1	416.8	412.0
60°	577.8	489.3	442.2	422.0	411.5	405.7	400.2
75°	549.4	469.6	430.9	412.8	401.1	391.7	380.1
90°	552.9	471.4	430.2	410.7	397.3	385.3	364.2
110°	579.6	476.3	425.1	402.6	385.7	371.6	353.8
120°	595.2	488.0	431.4	406.0	387.4	369.1	339.3
135°	660.4	533.2	460.1	421.7	401.0	382.9	345.8
150°	787.7	628.8	528.2	462.7	425.4	404.7	370.1
Run VMG	909.6	726.0	609.9	532.8	482.7	444.9	399.7
Selected Courses							
Windward / Leeward	929.9	751.6	645.9	580.0	542.2	516.6	488.8
All purpose	709.9	582.1	510.1	469.9	446.8	431.1	409.4

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	609.4	0.9846
All purpose	489.6	1.2254

Custom scoring options for Estonia

Single Number	Time On Distance	Time On Time
Coastal/Long Distance	536.6	1.1182
Triple Number Coastal/Long Distance Low	646.1	0.9287
Triple Number Coastal/Long Distance Medium	486.9	1.2323
Triple Number Coastal/Long Distance High	426.9	1.4055
Triple Number Windward/Leeward Low	840.7	0.7137
Triple Number Windward/Leeward Medium	606.8	0.9888
Triple Number Windward/Leeward High	512.6	1.1706

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	927.8	705.2	578.8	502.7	464.0	435.6	392.5