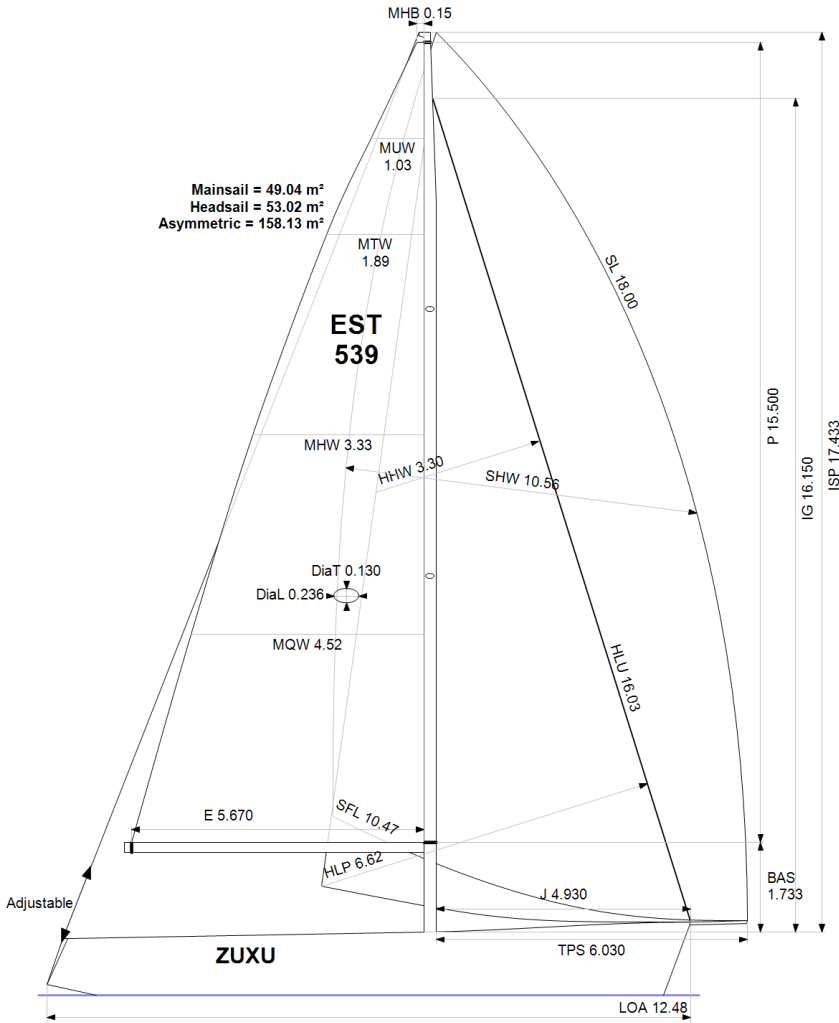


GPH = 578.3 **CDL = 10.624**



BOAT

Class **COMET 41S**
Designer **A.VALLICELLI & C.**
Builder **COMAR**
Age Date **03/2008**
Series Date **08/2005**
Offset File **COMET41C.OFF**

HULL

Length Overall **12.480 m**
Maximum Beam **3.922 m**
Draft **2.177 m**
Displacement **8,100 kg**
DLR **5.8383**
IMS Division **Cruiser/Racer**
Dynamic Allowance **0.015%**
Age Allowance **0.487%**

PROPELLER

Installation **Strut**
Type **Folding 2 blades**
Diameter **0.400m**

CREW

Maximum weight **823 kg**
Minimum weight **617 kg * when applied**
Non Manual Power **No**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	49.04	49.73
Headsail Luffed	53.02	53.02
Headsail Flying		

Symmetric
Asymmetric **158.13** **158.13**
** All asymmetric spinnakers with SHW/SFL > 85%*

SAIL LIMITATIONS

Headsails **6**
Spinnakers **4** * Asymmetric SHALL NOT be tacked on the pole

STABILITY

Righting Moment **212.5 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°	41.1°	39.8°	38.8°	39.0°	38.6°
Beat VMG	3.69	4.46	5.06	5.37	5.53	5.60	5.65
52°	5.66	6.73	7.40	7.70	7.83	7.89	7.93
60°	6.01	7.05	7.61	7.89	8.04	8.12	8.18
75°	6.31	7.28	7.77	8.06	8.30	8.48	8.65
90°	6.25	7.29	7.84	8.10	8.39	8.68	9.17
110°	6.23	7.45	8.03	8.44	8.75	8.99	9.48
120°	6.09	7.34	7.97	8.42	8.91	9.37	9.98
135°	5.42	6.77	7.66	8.13	8.58	9.10	10.31
150°	4.57	5.72	6.81	7.58	7.94	8.27	9.04
Run VMG	3.96	4.96	5.90	6.57	6.91	7.40	8.17
Gybe Angles	144.0°	147.5°	147.5°	150.5°	152.0°	176.0°	178.0°

Time Allowances in secs/NM							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	976.9	807.0	712.0	669.9	651.5	643.1	637.3
52°	636.4	535.2	486.3	467.2	459.8	456.1	454.0
60°	599.5	510.7	472.9	456.2	447.9	443.6	440.4
75°	570.8	494.2	463.4	446.4	433.8	424.6	416.0
90°	576.3	493.7	459.4	444.2	429.0	414.6	392.5
110°	578.2	483.3	448.2	426.6	411.3	400.2	379.8
120°	590.7	490.1	451.8	427.6	404.1	384.2	360.7
135°	664.7	531.8	470.2	442.8	419.5	395.6	349.2
150°	787.1	629.1	528.8	475.0	453.3	435.6	398.1
Run VMG	908.8	726.5	610.6	548.3	520.9	486.4	440.4
Selected Courses							
Windward / Leeward	942.8	766.7	661.3	609.1	586.2	564.8	538.9
All purpose	722.5	596.3	530.3	498.0	480.5	466.3	446.0

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	639.5	0.9383
All purpose	516.3	1.1622

Custom scoring options for Estonia

Single Number	Time On Distance	Time On Time
Coastal/Long Distance	563.2	1.0653
Triple Number Coastal/Long Distance Low	659.4	0.9099
Triple Number Coastal/Long Distance Medium	512.6	1.1705
Triple Number Coastal/Long Distance High	462.3	1.2979
Triple Number Windward/Leeward Low	854.8	0.7019
Triple Number Windward/Leeward Medium	633.9	0.9465
Triple Number Windward/Leeward High	560.4	1.0706

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	939.4	719.6	596.9	531.4	498.7	470.4	426.3