

GPH = **644.6** CDL = **8.530**

BOAT

Class **T-34**
Designer **Lostuzzi design**
Builder **T-Yachts**
Age Date **06/2009**
Series Date **04/2009**
Offset File **T34-EST678.off**

HULL

Length Overall **9.990 m**
Maximum Beam **3.282 m**
Draft **2.103 m**
Displacement **4,666 kg**
DLR **5.6151**
IMS Division **Cruiser/Racer**
Dynamic Allowance **0.190%**
Age Allowance **0.390%**

PROPELLER

Installation **Strut**
Type **Folding 3 blades**
Diameter **0.382m**

CREW

Maximum weight **165 kg**
Minimum weight **120 kg** * when applied
Non Manual Power **No**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	34.80	35.55
Headsail Luffed	29.71	29.71
Headsail Flying		

Symmetric
Asymmetric **100.85** **100.85**
* All asymmetric spinnakers with SHW/SFL > 85%

SAIL LIMITATIONS

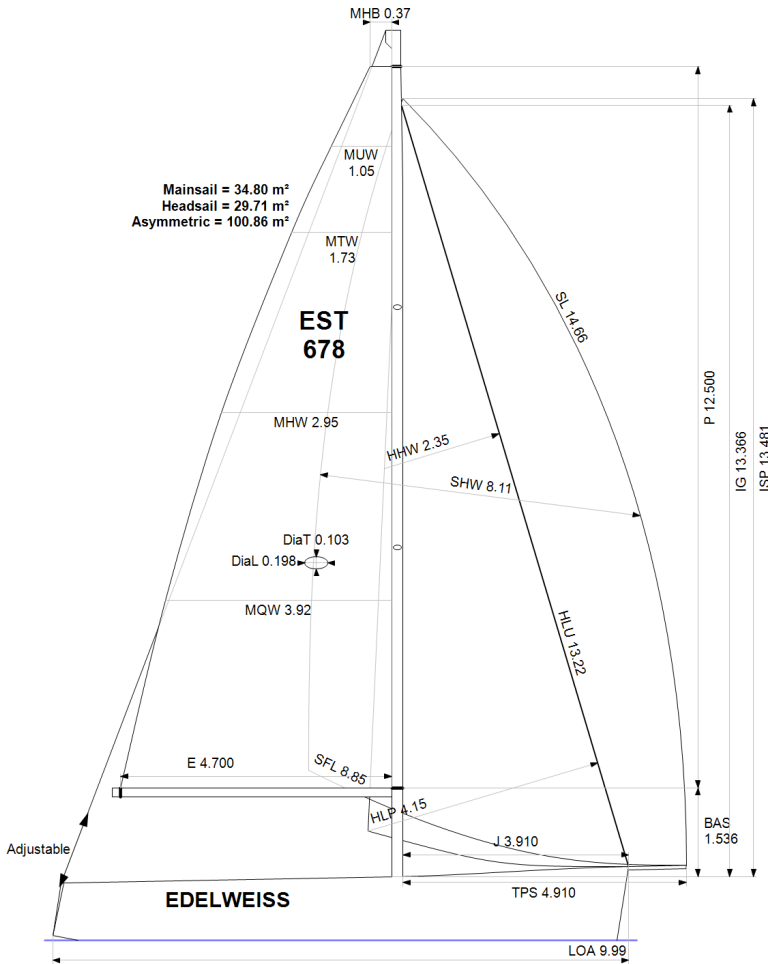
Headsails **5**
Spinnakers **4** * Asymmetric SHALL NOT be tacked on the pole

STABILITY

Righting Moment **112.3 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	42.8°	40.9°	40.5°	40.1°	40.1°	40.1°	40.5°
Beat VMG	3.30	4.00	4.47	4.68	4.75	4.78	4.83
52°	5.03	5.98	6.60	6.82	6.91	6.94	7.04
60°	5.31	6.27	6.83	7.05	7.14	7.17	7.26
75°	5.54	6.49	7.00	7.26	7.43	7.51	7.56
90°	5.58	6.64	7.03	7.32	7.57	7.80	8.08
110°	5.69	6.80	7.31	7.61	7.81	8.04	8.42
120°	5.54	6.68	7.26	7.67	8.09	8.38	8.88
135°	4.96	6.15	6.98	7.42	7.86	8.37	9.55
150°	4.20	5.28	6.24	6.90	7.25	7.55	8.39
Run VMG	3.63	4.57	5.41	5.97	6.32	6.88	7.57
Gybe Angles	144.0°	147.8°	147.5°	150.0°	174.0°	177.0°	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	1090.7	899.2	804.7	769.5	757.4	753.3	744.9
52°	715.9	601.8	545.9	527.6	521.2	518.9	511.2
60°	678.3	574.2	527.4	510.4	504.5	501.9	495.8
75°	649.6	554.6	514.1	495.7	484.8	479.5	476.1
90°	645.4	541.8	512.1	491.6	475.4	461.8	445.5
110°	633.2	529.7	492.5	473.3	460.7	448.0	427.5
120°	650.1	539.0	496.0	469.1	444.8	429.6	405.6
135°	725.7	585.3	515.9	485.1	458.1	430.2	377.1
150°	857.8	681.6	576.6	521.9	496.4	477.1	429.3
Run VMG	990.5	787.1	665.8	602.6	569.4	523.3	475.7
Selected Courses							
Windward / Leeward	1040.6	843.1	735.2	686.1	663.4	638.3	610.3
All purpose	800.9	658.4	589.0	557.3	540.2	526.0	503.6

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	716.2	0.8377
All purpose	576.7	1.0404

Custom scoring options for Estonia

Single Number	Time On Distance	Time On Time
Coastal/Long Distance	628.2	0.9552
Triple Number Coastal/Long Distance Low	729.7	0.8223
Triple Number Coastal/Long Distance Medium	572.0	1.0489
Triple Number Coastal/Long Distance High	521.2	1.1513
Triple Number Windward/Leeward Low	941.9	0.6370
Triple Number Windward/Leeward Medium	709.9	0.8452
Triple Number Windward/Leeward High	634.0	0.9463

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	1035.6	791.3	663.1	595.6	560.6	530.1	479.4

