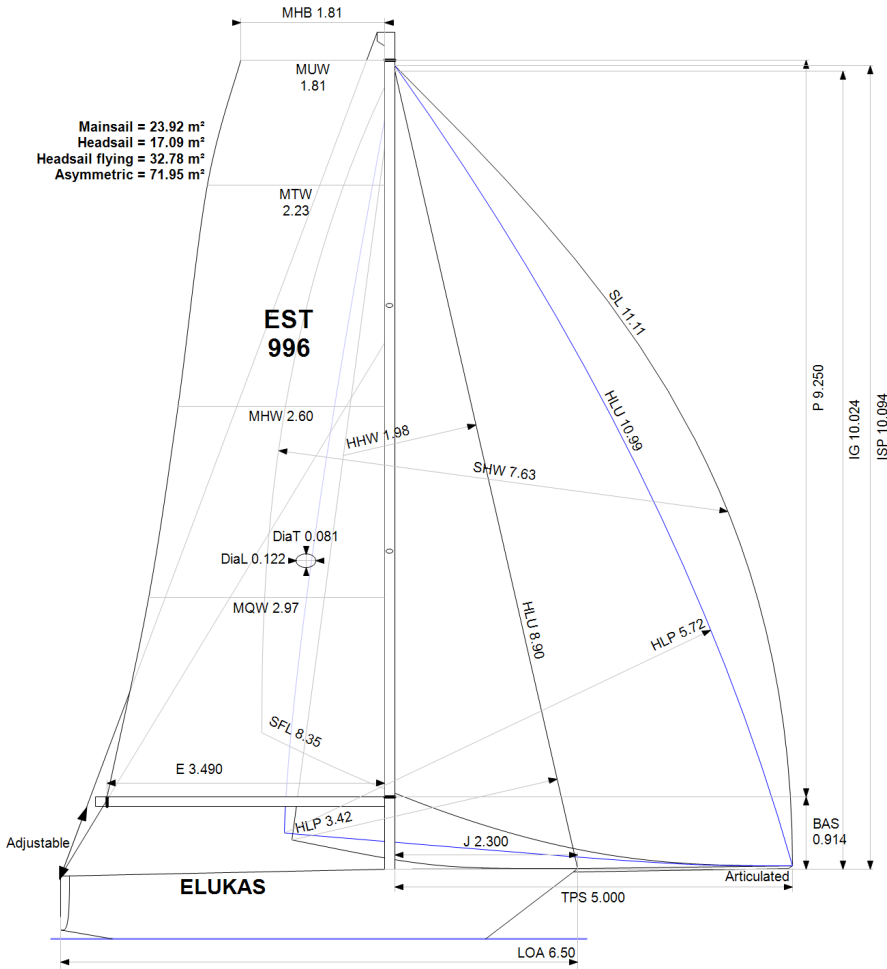


**GPH = 682.5** **CDL = 5.719**



**BOAT**

Class **Maxi 650**  
Designer **David RAISON**  
Builder **idbmarine**  
Age Date **05/2020**  
Series Date **05/2010**  
Offset File **maxi650.off**

**HULL**

Length Overall **6.500 m**  
Maximum Beam **2.986 m**  
Draft **1.591 m**  
Displacement **960 kg**  
DLR **5.7065**  
IMS Division **Sportboat**  
Dynamic Allowance **0.000%**  
Age Allowance **0.357%**

**PROPELLER**

Installation **No Propeller**  
Type **N/A**  
Diameter **N/A**

**CREW**

Maximum weight **180 kg**  
Minimum weight **120 kg \* when applied**  
Non Manual Power **No**  
Crew Arm Extension

**SAIL AREAS (m²)**

	Measured	Rated
Mainsail	<b>23.92</b>	<b>24.64</b>
Headsail Luffed	<b>17.09</b>	<b>17.09</b>
Headsail Flying	<b>32.78</b>	<b>32.78</b>
Symmetric		
Asymmetric	<b>71.94</b>	<b>71.94</b>

\* 1 asymmetric(s) with SHW/SFL < 85%

**SAIL LIMITATIONS**

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

**STABILITY**

Righting Moment **61.4 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	41.6°	39.8°	40.9°	40.9°	40.5°	40.5°	41.0°
Beat VMG	3.27	3.77	3.96	4.08	4.14	4.18	4.21
52°	4.97	5.54	5.79	5.94	6.04	6.13	6.20
60°	5.27	5.77	6.04	6.26	6.40	6.51	6.60
75°	5.54	6.06	6.48	6.73	6.90	7.01	7.19
90°	5.59	6.12	6.65	7.12	7.39	7.71	7.97
110°	5.46	6.18	6.83	7.51	8.10	8.65	9.63
120°	5.34	6.11	6.83	7.59	8.25	9.47	11.03
135°	4.85	5.74	6.43	7.17	8.11	9.46	12.74
150°	4.15	5.15	5.83	6.45	7.07	7.96	12.12
Run VMG	3.59	4.47	5.12	5.72	6.23	6.90	10.49
Gybe Angles	146.0°	151.5°	159.0°	180.0°	180.0°	139.0°	143.9°

Time Allowances in secs/NM							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1100.1	953.8	908.1	883.4	869.0	862.1	855.6
52°	724.0	649.3	621.3	606.1	596.0	587.5	580.9
60°	683.2	623.8	595.8	575.4	562.1	553.2	545.8
75°	650.3	594.5	555.3	535.3	522.0	513.4	500.6
90°	643.5	588.1	541.5	505.8	487.0	467.1	451.9
110°	659.9	582.9	527.4	479.7	444.6	416.0	373.7
120°	673.6	589.5	527.3	474.0	436.4	380.3	326.4
135°	742.4	627.3	559.8	502.2	443.8	380.5	282.7
150°	867.3	698.4	617.0	557.9	509.0	452.0	297.1
Run VMG	1001.4	805.7	702.7	629.0	577.9	521.9	343.0
Selected Courses							
Windward / Leeward	1050.8	879.7	805.4	756.2	723.4	692.0	599.3
All purpose	811.1	699.8	644.2	603.4	575.3	548.5	493.1

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	772.3	0.7769
All purpose	615.0	0.9757

### Custom scoring options for Estonia

Single Number	Time On Distance	Time On Time
Coastal/Long Distance	670.0	0.8955
Triple Number Coastal/Long Distance Low	755.5	0.7942
Triple Number Coastal/Long Distance Medium	618.0	0.9709
Triple Number Coastal/Long Distance High	534.4	1.1227
Triple Number Windward/Leeward Low	965.3	0.6216
Triple Number Windward/Leeward Medium	774.7	0.7745
Triple Number Windward/Leeward High	665.1	0.9021

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	1045.8	828.8	725.7	651.1	601.5	549.2	458.0

