

GPH = 819.8 **CDL = 5.439**

BOAT

Class **OPTY 71 A**
Designer
Builder **Teliga**
Age Date **01/1986**
Series Date **07/1978**
Offset File **Opty71_EST29.off**

HULL

Length Overall **7.110 m**
Maximum Beam **2.494 m**
Draft **1.471 m**
Displacement **1,300 kg**
DLR **8.0405**
IMS Division **Cruiser/Racer**
Dynamic Allowance **0.309%**
Age Allowance **0.487%**

PROPELLER

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

CREW

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

SAIL AREAS (m²)

	Measured	Rated
Mainsail	14.67	15.01
Headsail Luffed	8.93	8.93
Headsail Flying		
Symmetric		
Asymmetric		

SAIL LIMITATIONS

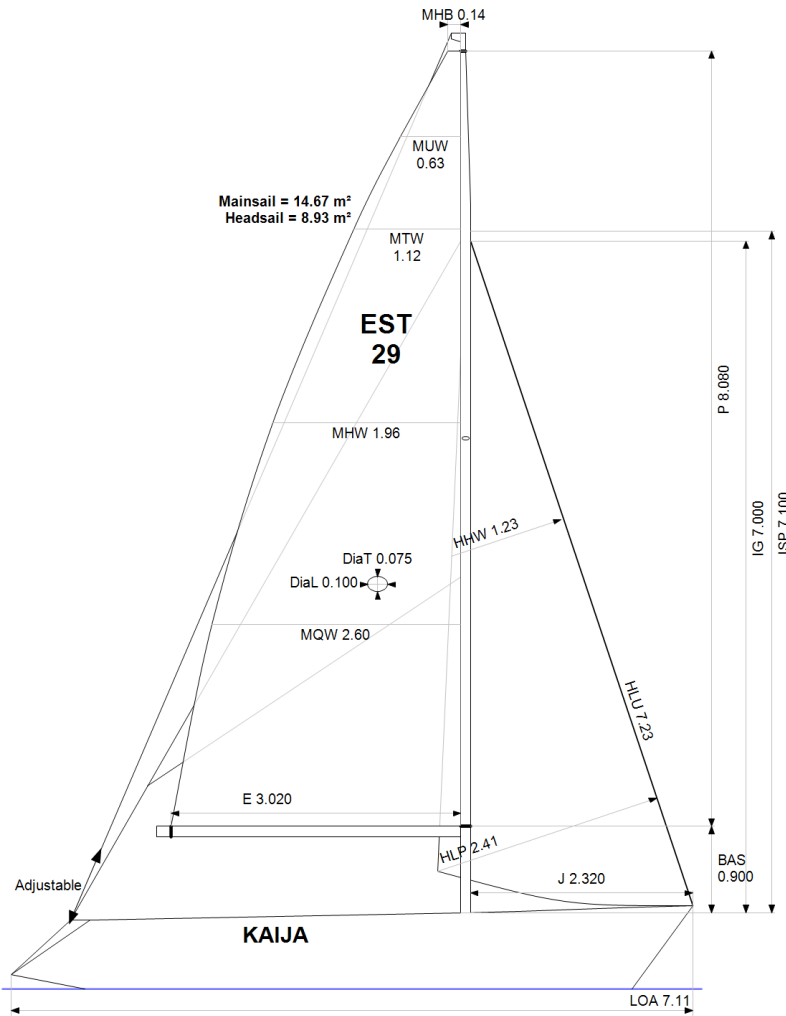
Headsails **5**
Spinnakers **0 * Spinnaker pole aboard**

STABILITY

Righting Moment **21.1 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	41.3°	40.5°	40.9°	39.8°	40.3°	40.9°	42.6°
Beat VMG	2.75	3.26	3.63	3.85	3.89	3.88	3.81
52°	4.14	4.86	5.31	5.51	5.60	5.62	5.61
60°	4.35	5.08	5.46	5.66	5.77	5.82	5.80
75°	4.52	5.25	5.59	5.81	5.98	6.12	6.22
90°	4.49	5.25	5.64	5.91	6.16	6.40	6.63
110°	4.20	5.06	5.55	5.83	6.09	6.36	6.88
120°	3.93	4.77	5.40	5.73	5.99	6.26	6.80
135°	3.46	4.31	5.03	5.51	5.80	6.06	6.61
150°	3.03	3.88	4.59	5.22	5.61	5.87	6.41
Run VMG	2.65	3.46	4.17	4.81	5.35	5.68	6.20
Gybe Angles	162.0°	174.0°	176.0°	176.0°	178.0°	179.0°	179.0°

Time Allowances in secs/NM							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1307.1	1103.3	991.2	936.2	925.3	928.2	945.8
52°	869.6	741.5	678.6	653.3	642.9	640.4	642.2
60°	827.5	708.9	659.3	636.4	623.8	618.8	620.8
75°	795.7	686.2	643.9	620.1	602.1	588.4	578.4
90°	802.2	685.5	638.5	609.3	584.2	562.4	543.0
110°	857.5	712.0	648.8	617.3	591.3	565.9	523.4
120°	915.2	754.3	666.8	628.3	601.3	575.3	529.1
135°	1040.5	836.2	715.5	653.1	620.5	594.2	544.4
150°	1189.4	928.5	783.5	689.5	641.9	612.8	562.0
Run VMG	1359.3	1039.4	862.6	747.8	673.3	633.7	580.8
Selected Courses							
Windward / Leeward	1333.2	1071.3	926.9	842.0	799.3	781.0	763.3
All purpose	1032.0	849.4	754.1	701.7	674.3	656.3	636.1

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	887.9	0.6758
All purpose	730.2	0.8217

Custom scoring options for Estonia

Single Number	Time On Distance	Time On Time
Coastal/Long Distance	792.3	0.7573
Triple Number Coastal/Long Distance Low	940.7	0.6378
Triple Number Coastal/Long Distance Medium	724.6	0.8280
Triple Number Coastal/Long Distance High	653.2	0.9185
Triple Number Windward/Leeward Low	1202.2	0.4991
Triple Number Windward/Leeward Medium	878.7	0.6828
Triple Number Windward/Leeward High	778.9	0.7703

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	1335.8	1010.9	843.0	747.1	699.2	664.1	604.9