

GPH = 714.8 **CDL = 6.463**

BOAT

Class **Polaris**
Designer **SET**
Builder **SET**
Age Date **01/1985**
Series Date **01/1984**
Offset File **Polari17.off**

HULL

Length Overall **7.620 m**
Maximum Beam **2.692 m**
Draft **1.736 m**
Displacement **1,764 kg**
DLR **9.0164**
IMS Division **Performance**
Dynamic Allowance **0.029%**
Age Allowance **0.487%**

PROPELLER

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

CREW

Maximum weight **420 kg**
Minimum weight **315 kg * when applied**
Non Manual Power **No**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	20.32	20.82
Headsail Luffed	15.54	15.54
Headsail Flying		
Symmetric	32.28	32.28
Asymmetric		

SAIL LIMITATIONS

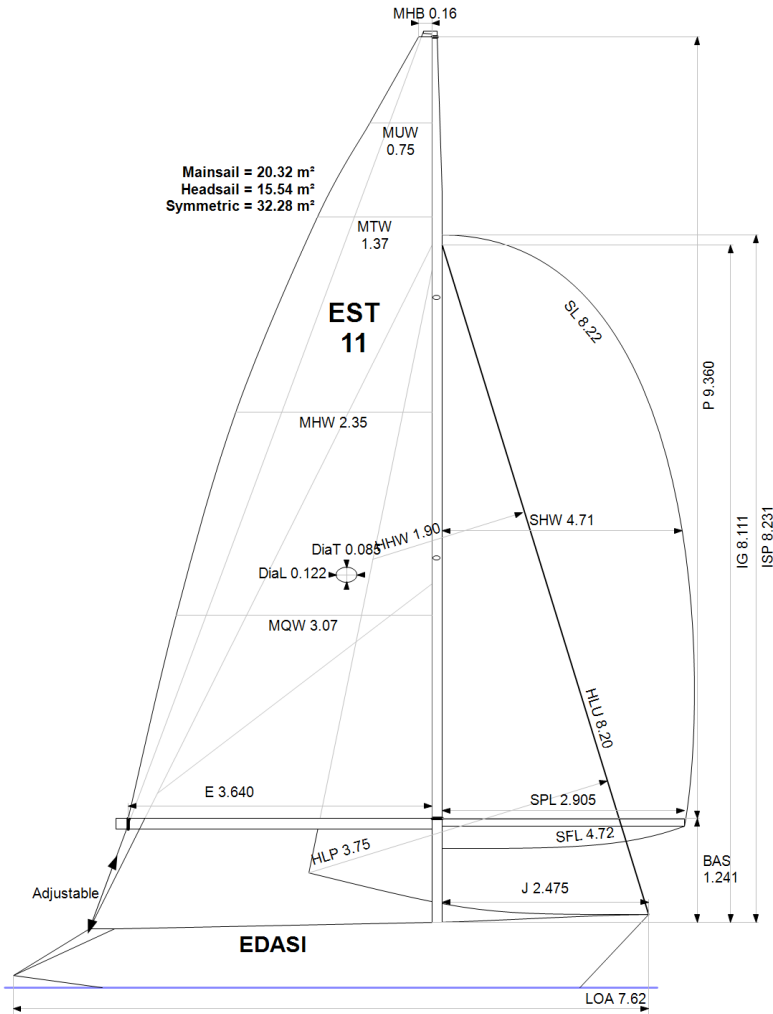
Headsails **5**
Spinnakers **4**

STABILITY

Righting Moment **31.2 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°	38.3°	36.8°	36.0°	36.0°	36.8°
Beat VMG	3.18	3.78	4.22	4.45	4.52	4.55	4.51
52°	4.78	5.54	5.88	6.07	6.17	6.22	6.24
60°	5.02	5.70	5.99	6.20	6.34	6.42	6.48
75°	5.19	5.80	6.09	6.34	6.57	6.74	6.88
90°	5.13	5.84	6.21	6.53	6.77	6.91	7.26
110°	5.01	5.82	6.22	6.60	6.96	7.29	7.74
120°	4.82	5.71	6.13	6.48	6.85	7.20	7.91
135°	4.33	5.26	5.87	6.22	6.57	6.92	7.62
150°	3.69	4.62	5.43	5.93	6.25	6.59	7.24
Run VMG	3.19	4.01	4.74	5.41	5.89	6.21	6.85
Gybe Angles	148.0°	152.5°	156.0°	180.0°	180.0°	180.0°	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	1133.0	953.6	853.0	809.8	796.5	791.3	797.4
52°	753.0	650.1	612.3	593.4	583.9	579.0	576.8
60°	717.1	631.7	600.8	580.9	567.6	560.8	555.9
75°	694.0	620.9	590.9	567.8	548.2	534.5	523.5
90°	701.9	616.6	579.4	551.1	531.7	521.0	496.1
110°	718.5	618.2	578.6	545.6	517.1	493.7	465.1
120°	746.2	631.0	587.3	555.4	525.9	500.3	454.9
135°	830.7	684.3	612.9	578.5	547.8	520.0	472.2
150°	976.8	778.7	662.9	607.0	575.6	546.7	497.3
Run VMG	1128.0	898.2	759.7	665.4	610.9	579.3	525.6
Selected Courses							
Windward / Leeward	1130.5	925.9	806.4	737.6	703.7	685.3	661.5
All purpose	873.6	734.0	662.2	620.0	596.7	580.4	557.9

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	774.0	0.7752
All purpose	640.8	0.9363

Custom scoring options for Estonia

Single Number	Time On Distance	Time On Time
Coastal/Long Distance	695.2	0.8630
Triple Number Coastal/Long Distance Low	803.8	0.7465
Triple Number Coastal/Long Distance Medium	637.8	0.9408
Triple Number Coastal/Long Distance High	576.0	1.0416
Triple Number Windward/Leeward Low	1028.3	0.5835
Triple Number Windward/Leeward Medium	767.8	0.7815
Triple Number Windward/Leeward High	681.0	0.8811

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	1130.2	873.6	736.0	659.4	619.6	588.6	533.9