

**GPH = 715.9**    **CDL = 6.347**

**BOAT**

Class **POLARIS**  
Designer  
Builder  
Age Date  
Series Date **01/1984**  
Offset File **POLARI90.OFF**

**HULL**

Length Overall **7.620 m**  
Maximum Beam **2.692 m**  
Draft **1.581 m**  
Displacement **1,515 kg**  
DLR **8.1290**  
IMS Division **Performance**  
Dynamic Allowance **0.010%**  
Age Allowance **0.487%**

**PROPELLER**

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

**CREW**

Maximum weight **290 kg**  
Minimum weight **205 kg \* when applied**  
Non Manual Power **No**  
Crew Arm Extension

**SAIL AREAS (m<sup>2</sup>)**

	Measured	Rated
Mainsail	<b>20.14</b>	<b>20.70</b>
Headsail Luffed	<b>13.64</b>	<b>13.64</b>
Headsail Flying		
Symmetric	<b>29.58</b>	<b>29.58</b>
Asymmetric		

**SAIL LIMITATIONS**

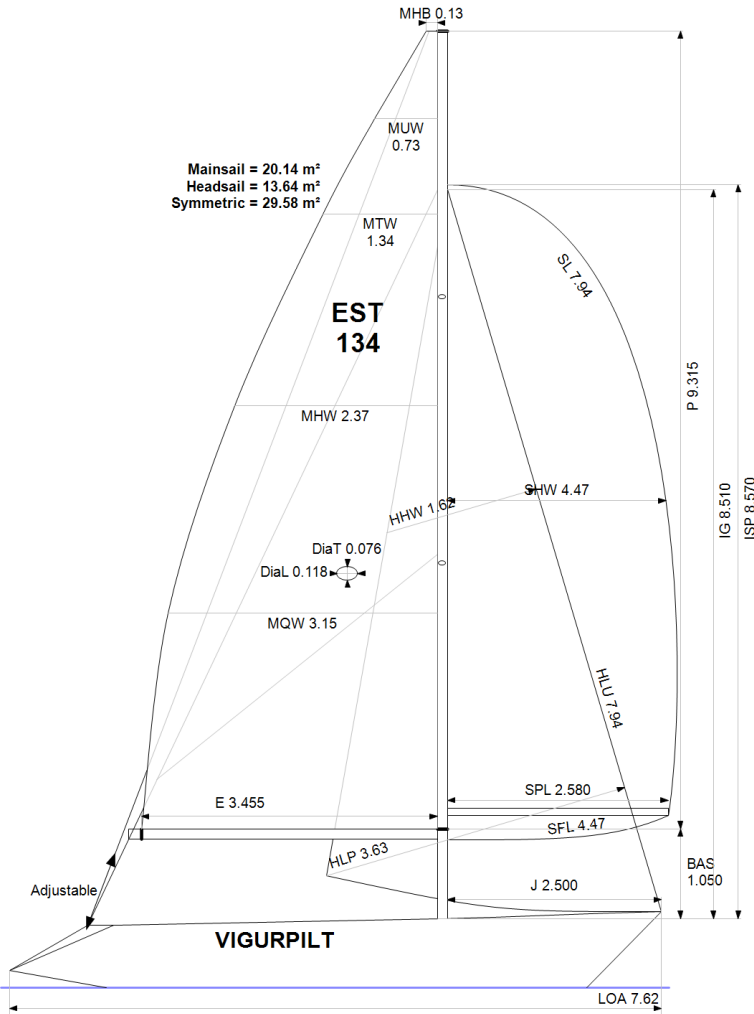
Headsails **5** \* Woven polyester sails  
Spinnakers **4**

**STABILITY**

Righting Moment **42.7 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°	41.3°	39.0°	37.1°	36.4°	36.0°	37.1°
Beat VMG	3.09	3.69	4.15	4.42	4.54	4.59	4.55
52°	4.68	5.46	5.84	6.07	6.24	6.34	6.39
60°	4.93	5.64	5.97	6.21	6.42	6.57	6.67
75°	5.12	5.76	6.08	6.36	6.63	6.85	7.10
90°	5.06	5.83	6.24	6.60	6.89	7.03	7.45
110°	5.00	5.83	6.25	6.66	7.03	7.40	8.04
120°	4.81	5.71	6.16	6.55	6.92	7.29	8.20
135°	4.32	5.28	5.88	6.26	6.64	7.00	7.79
150°	3.69	4.63	5.44	5.94	6.30	6.66	7.34
Run VMG	3.20	4.02	4.76	5.42	5.90	6.25	6.92
Gybe Angles	148.5°	152.0°	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	1163.7	975.3	868.5	814.0	792.5	785.0	791.1
52°	769.4	659.0	616.0	592.8	577.0	568.0	563.0
60°	730.2	638.3	603.1	579.4	560.6	547.8	539.6
75°	703.7	625.0	591.9	565.7	542.9	525.8	506.7
90°	710.9	617.3	577.1	545.4	522.9	512.2	483.5
110°	719.6	617.7	575.7	540.5	512.0	486.4	447.6
120°	748.2	630.9	584.8	549.8	520.4	494.1	439.0
135°	834.3	682.1	612.2	575.0	542.0	514.2	461.9
150°	974.9	776.8	661.2	605.9	571.8	540.9	490.6
Run VMG	1125.7	896.3	756.7	664.4	609.8	575.9	520.0
Selected Courses							
Windward / Leeward	1144.7	935.8	812.6	739.2	701.2	680.5	655.6
All purpose	884.2	739.6	664.8	618.7	591.8	573.6	547.2

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	776.1	0.7730
All purpose	639.8	0.9377

### Custom scoring options for Estonia

Single Number	Time On Distance	Time On Time
Coastal/Long Distance	695.0	0.8633
Triple Number Coastal/Long Distance Low	811.9	0.7390
Triple Number Coastal/Long Distance Medium	637.4	0.9413
Triple Number Coastal/Long Distance High	568.2	1.0559
Triple Number Windward/Leeward Low	1040.2	0.5768
Triple Number Windward/Leeward Medium	770.5	0.7787
Triple Number Windward/Leeward High	676.3	0.8872

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	1142.8	881.8	740.2	658.7	614.7	580.9	521.5