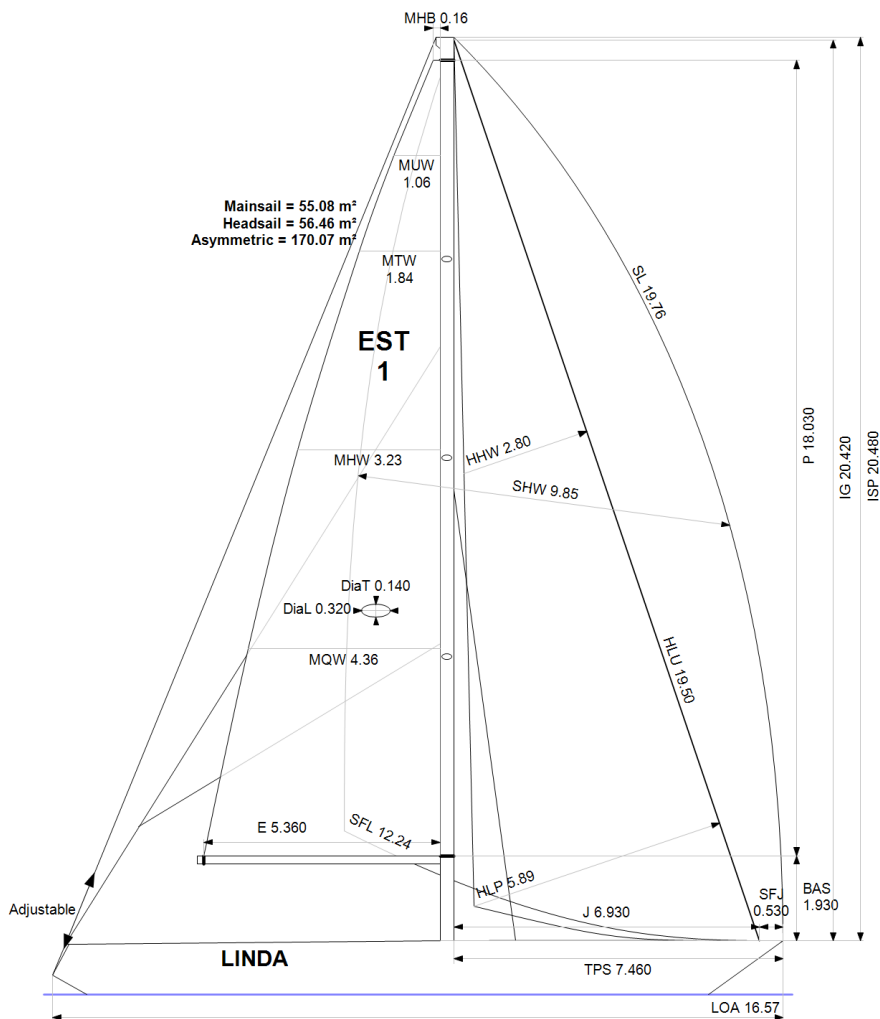


GPH = **593.1** CDL = **11.896**



**BOAT**

Class **CONRAD 54**  
Designer  
Builder **st.yachtova,Gdansk**  
Age Date **01/1978**  
Series Date **06/1972**  
Offset File **C54\_G6.off**

**HULL**

Length Overall **16.570 m**  
Maximum Beam **4.624 m**  
Draft **2.920 m**  
Displacement **20,552 kg**  
DLR **6.8725**  
IMS Division **Cruiser/Racer**  
Dynamic Allowance **0.496%**  
Age Allowance **0.487%**

**PROPELLER**

Installation **Strut**  
Type **Folding 3 blades**  
Diameter **0.456m**

**CREW**

Maximum weight **1,350 kg**  
Minimum weight **1,013 kg \* when applied**  
Non Manual Power **No**  
Crew Arm Extension

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

	Measured	Rated
Mainsail	<b>55.08</b>	<b>55.69</b>
Headsail Luffed	<b>56.46</b>	<b>59.64</b>
Headsail Flying		
Symmetric		
Asymmetric	<b>170.07</b>	<b>172.46</b>

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

**SAIL LIMITATIONS**

Headsails **7** \* Woven polyester sails  
Spinnakers **5** \* Asymmetric SHALL NOT be tacked on the pole

**STABILITY**

Righting Moment **491.2 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	44.3°	42.0°	40.5°	39.8°	39.8°	38.6°	37.5°
Beat VMG	3.32	4.13	4.75	5.27	5.71	6.02	6.26
52°	5.13	6.21	7.03	7.76	8.22	8.47	8.69
60°	5.45	6.51	7.37	8.04	8.43	8.66	8.91
75°	5.74	6.91	7.89	8.40	8.62	8.82	9.16
90°	6.09	7.33	8.26	8.72	8.98	9.16	9.38
110°	5.98	7.23	8.22	8.74	9.08	9.39	9.98
120°	5.70	6.95	8.01	8.61	8.98	9.32	10.04
135°	5.02	6.27	7.32	8.19	8.69	9.04	9.75
150°	4.22	5.40	6.37	7.25	7.95	8.39	8.95
Run VMG	3.65	4.67	5.52	6.27	6.88	7.27	8.26
Gybe Angles	143.0°	147.0°	147.5°	147.0°	148.0°	149.8°	176.0°

Time Allowances in secs/NM							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1084.2	872.0	758.3	683.4	629.9	597.7	575.3
52°	701.4	580.0	512.0	464.2	438.0	424.9	414.3
60°	660.9	553.0	488.7	447.9	427.2	415.9	404.2
75°	627.5	520.9	456.3	428.8	417.7	408.0	392.9
90°	590.7	491.3	435.8	412.9	400.9	393.1	383.6
110°	602.3	497.6	437.7	412.0	396.6	383.4	360.7
120°	631.1	518.1	449.5	417.9	400.8	386.3	358.5
135°	717.2	574.3	491.9	439.4	414.1	398.2	369.2
150°	853.7	667.2	564.9	496.9	452.9	429.1	402.2
Run VMG	985.7	770.4	652.3	573.7	523.0	495.5	436.0
Selected Courses							
Windward / Leeward	1035.0	821.2	705.3	628.6	576.5	546.6	505.6
All purpose	784.6	633.7	549.5	498.6	466.9	448.0	424.2

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	658.7	0.9108
All purpose	521.5	1.1506

### Custom scoring options for Estonia

Single Number	Time On Distance	Time On Time
Coastal/Long Distance	573.7	1.0458
Triple Number Coastal/Long Distance Low	709.1	0.8461
Triple Number Coastal/Long Distance Medium	518.9	1.1563
Triple Number Coastal/Long Distance High	443.8	1.3521
Triple Number Windward/Leeward Low	928.1	0.6465
Triple Number Windward/Leeward Medium	657.2	0.9130
Triple Number Windward/Leeward High	538.7	1.1138

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	1030.0	768.4	627.8	536.8	485.8	452.9	408.7