

**GPH = 662.7** **CDL = 9.078**

**BOAT**

Class **BAVARIA 35 Match**  
Designer **J&J DESIGN**  
Builder **BAVARIA YACHTBAU**  
Age Date **04/2006**  
Series Date **01/2004**  
Offset File **ba35mk2d.off**

**HULL**

Length Overall **10.840 m**  
Maximum Beam **3.276 m**  
Draft **2.030 m**  
Displacement **6,323 kg**  
DLR **5.7622**  
IMS Division **Cruiser/Racer**  
Dynamic Allowance **0.291%**  
Age Allowance **0.487%**

**PROPELLER**

Installation **Strut**  
Type **Folding 3 blades**  
Diameter **0.430m**

**CREW**

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

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

	Measured	Rated
Mainsail	<b>37.84</b>	<b>38.51</b>
Headsail Luffed	<b>35.98</b>	<b>35.98</b>
Headsail Flying		
Symmetric		
Asymmetric		

**SAIL LIMITATIONS**

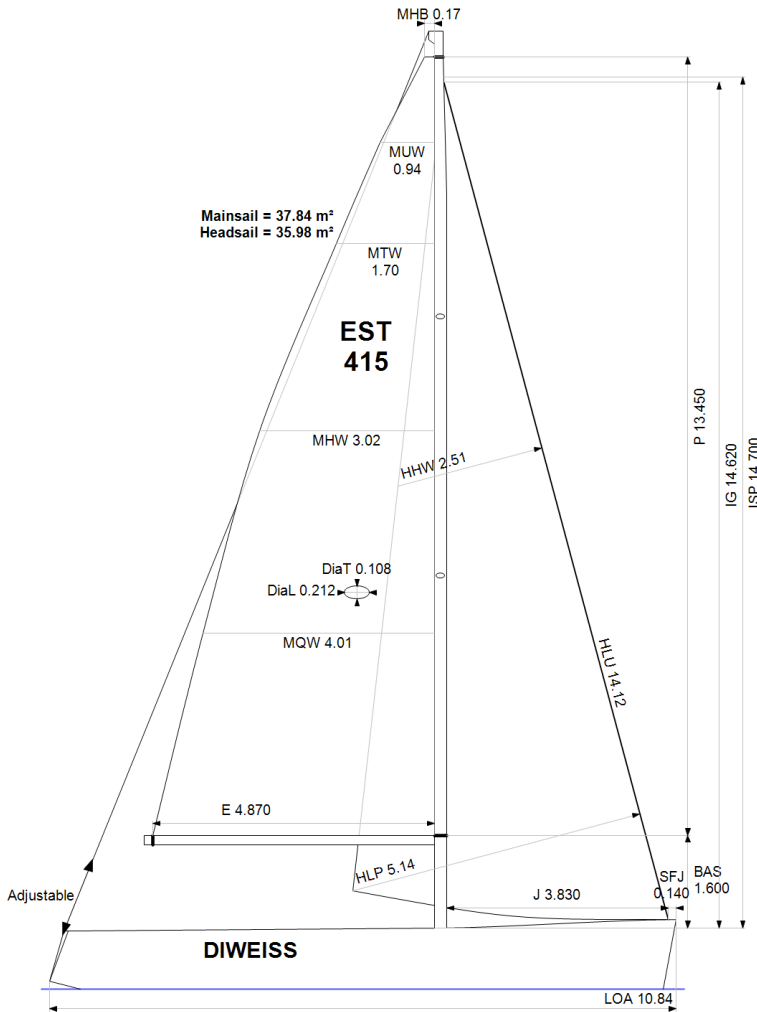
Headsails **5**  
Spinnakers **0 \* Spinnaker pole aboard**

**STABILITY**

Righting Moment **130.6 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	42.8°	40.9°	41.3°	40.7°	40.5°	40.1°	40.3°
Beat VMG	3.44	4.11	4.57	4.81	4.91	4.95	4.99
52°	5.21	6.14	6.76	7.03	7.13	7.18	7.21
60°	5.49	6.45	7.00	7.25	7.36	7.41	7.43
75°	5.73	6.68	7.18	7.44	7.61	7.72	7.80
90°	5.68	6.66	7.20	7.49	7.72	7.92	8.24
110°	5.13	6.20	6.99	7.39	7.67	7.94	8.52
120°	4.87	5.88	6.73	7.23	7.55	7.82	8.46
135°	4.17	5.23	6.10	6.84	7.28	7.58	8.17
150°	3.52	4.57	5.45	6.23	6.89	7.31	7.88
Run VMG	3.05	3.97	4.81	5.57	6.27	6.87	7.57
Gybe Angles	150.0°	158.0°	168.0°	172.0°	174.0°	178.0°	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	1047.7	875.4	788.3	749.1	733.2	727.5	721.8
52°	690.4	586.0	532.3	511.8	504.6	501.4	499.4
60°	655.4	558.4	514.2	496.4	489.2	485.8	484.6
75°	628.3	538.8	501.2	483.8	472.9	466.3	461.5
90°	633.5	540.8	500.0	480.4	466.5	454.7	436.9
110°	701.3	580.6	514.8	487.2	469.5	453.2	422.7
120°	739.4	612.5	535.3	497.7	477.1	460.1	425.5
135°	863.0	688.8	590.2	526.4	494.3	474.9	440.4
150°	1022.1	788.3	661.1	577.9	522.5	492.7	457.0
Run VMG	1180.3	905.9	748.3	646.9	574.3	523.8	475.6
Selected Courses							
Windward / Leeward	1114.0	890.7	768.3	698.0	653.8	625.7	598.7
All purpose	845.4	691.1	609.3	565.3	539.5	523.7	502.4

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	731.1	0.8207
All purpose	588.2	1.0200

### Custom scoring options for Estonia

Single Number	Time On Distance	Time On Time
Coastal/Long Distance	644.5	0.9310
Triple Number Coastal/Long Distance Low	768.2	0.7810
Triple Number Coastal/Long Distance Medium	584.0	1.0274
Triple Number Coastal/Long Distance High	519.7	1.1546
Triple Number Windward/Leeward Low	1002.3	0.5986
Triple Number Windward/Leeward Medium	726.4	0.8260
Triple Number Windward/Leeward High	622.6	0.9637

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	1120.6	837.5	690.2	605.6	560.9	529.2	480.3