

APH: **598.3** CDL: **8.479**

GPH: **676.4** CertNo:

BOAT

Class **Bavaria 37 Cruiser**
Designer **Bruce Farr**
Builder **Bavaria Yachtbau**
Age date **06/2014**
Series date **01/2014**
Offset file **BAVARIACR36.off**
Data file **TAMIRAMI**

HULL

Length Overall **10.990 m**
Maximum Beam **3.664 m**
Draft **2.008 m**
Displacement **9,080 kg**
DLR **8.1498**
IMS Division **Cruiser/Racer**
Dynamic Allowance **0.564%**
Age Allowance **0.260%**

PROPELLER

Installation **Strut**
Type **Folding 2 blades**
Diameter **0.480m**

CREW

Maximum weight **725 kg**
Minimum weight **543 kg** * when applied
Non Manual Power **No**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	38.49	39.08
Headsail Luffed	26.80	26.80
Headsail Flying		

Symmetric
Asymmetric **92.79** **92.79**
(All asymmetric spinnakers with SHW/SFL > 85%)

STORM SAIL AREAS (m²)

Trysail **12.13**
Storm Jib **9.89**
Heavy Weather Jib **26.69**

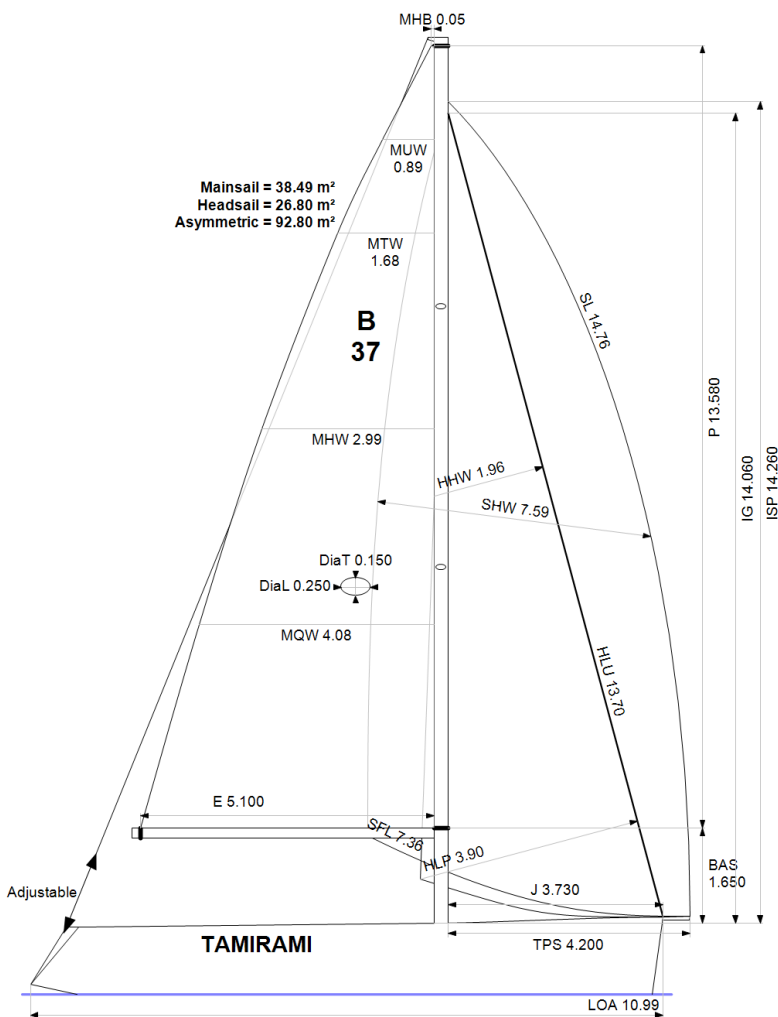
SAIL LIMITS

Headsails **5**
Spinnakers **4** * Asymmetric SHALL NOT be tacked on the pole

STABILITY

Righting Moment **180.3 kg·m**
Stability Index **N/A**

The owner and any other person in charge is responsible that boat is complying with her certificate in accordance with RRS 78.1 and ORC Rule 304.



Rated boat velocities in knots

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	45.9°	43.5°	42.4°	42.0°	41.8°	40.6°	40.2°
Beat VMG	2.89	3.55	4.02	4.43	4.77	4.99	5.08
52°	4.53	5.41	6.08	6.65	7.01	7.21	7.33
60°	4.83	5.72	6.42	6.92	7.22	7.40	7.55
75°	5.05	5.96	6.72	7.16	7.39	7.58	7.86
90°	5.32	6.38	7.13	7.50	7.72	7.83	8.03
110°	5.36	6.49	7.22	7.59	7.89	8.20	8.66
120°	5.19	6.29	7.11	7.52	7.84	8.16	8.83
135°	4.69	5.76	6.69	7.27	7.61	7.92	8.58
150°	3.99	5.03	5.88	6.61	7.07	7.39	7.85
Run VMG	3.46	4.36	5.09	5.72	6.12	6.62	7.40
Gybe Angles	145.1°	147.5°	146.9°	147.5°	149.8°	171.8°	177.2°



Time Allowances in secs/NM							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1243.6	1015.5	895.0	813.5	754.1	721.2	709.2
52°	795.5	665.2	592.0	541.3	513.5	499.5	491.4
60°	745.3	629.7	560.7	520.2	498.9	486.7	476.7
75°	713.2	604.2	535.8	502.8	487.3	475.0	458.1
90°	677.0	564.5	504.8	479.7	466.5	459.9	448.2
110°	672.1	555.1	498.9	474.3	456.1	439.2	415.8
120°	693.9	572.5	506.4	478.5	459.4	441.2	407.5
135°	767.6	625.4	538.2	495.2	472.9	454.8	419.7
150°	902.3	715.8	612.7	545.0	509.2	487.3	458.4
Run VMG	1041.8	826.5	707.5	629.3	588.0	543.5	486.2
Selected Courses							
Windward / Leeward	1142.7	921.0	801.3	721.4	671.0	632.3	597.7
All purpose	872.8	713.6	626.5	574.5	542.9	520.9	498.5

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	753.2	0.7966
All purpose	598.3	1.0029