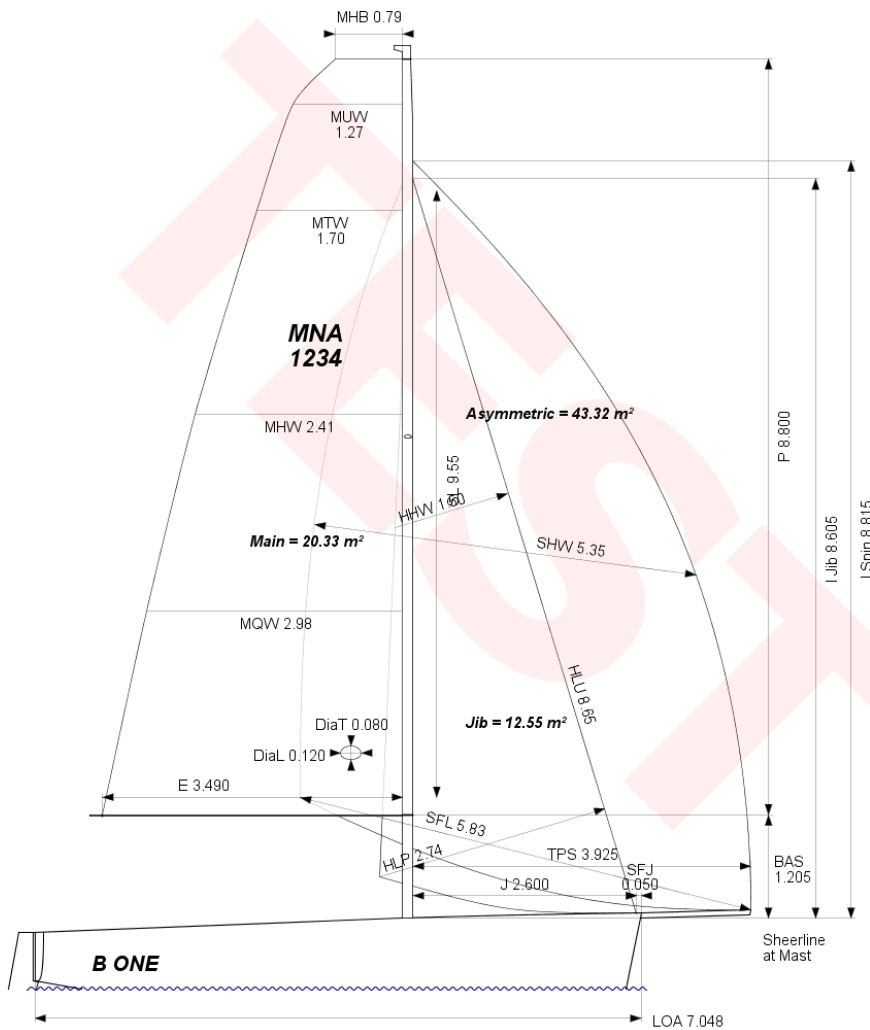




World Leader in Rating Technology

2019 (Test) ORC Club One Design Certificate



Rating Office

Certificate

Number **000939**
 Issued On **15/01/2019**
 ORC Ref **N/A**
 VPP Ver. **2019 1.01**

Invalid for Racing

Crew Weight

Default 361kg
 Maximum **320kg**
 Minimum* **235kg**
*when applied by the NoR and SI
 Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	701.0	0.8559
Non Spin OSN	680.9	0.8812

Sails Limitations

Headsails **5** Spinnakers **3**

Asymmetric on centerline

Spinnaker configuration
 Symmetric: **No**
 Asymmetric: **Yes 43.32**
 Flying H/S: **No**
 Spin. Pole: **No**

Class Division Length

CDL = **6.879**

Stability (Estimated)

Limit Positive Stab.: **106.2°**
 Stability Index: **97.9**

Owner

I certify that I understand my responsibilities under ORC Rules and Regulations

Signature

BOAT		GPH		HULL		
Name B ONE			665.1	Data File bone	LOA 7.048m	
Sail Nr MNA-1234				Offset File bone.od	MB 2.494m	
CLASS				Displacement 1,063kg	Draft 1.629m	
Class Bavaria B/one		IMS Division Sportboat		Dynamic All. 0.000%		
Designer FARR		Fwd Accom. No		Construction Cored		
Builder Bavaria		Fiber Rigging No		Aramid Core No		
Series 04/2012		Crew Arm Ex 0.50		Carbon Rudder No		
Age Date 01/2013				Light Stanchions No		
Age Allowance 0.228%		IMSL 6.722m	VCGD -0.012m	Sink 7.86kg/mm		
COMMENTS		RL 7.034m	VCGM 0.071m	WS 10.13m²		
		LSMO 6.362m	Displacement/Length ratio 4.1281			
PROPELLER		Water Ballast 0	Trim Tab No			
Type No Propeller		BLR Index 0.0000				
		CENTERBOARD				
		N/A				
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	650.2			734.8		
Time on Time	0.9228			0.9186		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	737.7	598.2	533.1	942.1	736.3	654.5
Time on Time	0.9150	1.1283	1.2662	0.7165	0.9167	1.0313



World Leader in Rating Technology

2019 (Test)

ORC Club Certificate Appendix

BOAT	
Name B ONE	Certificate Number 000939
Sail Nr MNA-1234	Issued On 15/01/2019

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1072.6	892.1	814.3	796.2	792.1	782.8	795.8
52°	706.7	614.5	582.9	573.2	569.2	564.3	561.1
60°	670.0	598.5	568.3	554.4	548.0	544.2	534.1
75°	647.0	586.5	553.5	524.6	511.1	504.3	490.6
90°	641.8	574.2	542.2	514.7	484.8	465.5	453.1
110°	641.2	568.2	518.5	478.2	455.0	438.0	405.5
120°	660.1	578.1	528.0	479.4	434.2	408.6	370.1
135°	735.7	610.2	559.9	513.1	467.2	420.9	317.7
150°	868.6	693.7	605.5	565.6	530.5	492.3	375.2
Run VMG	1002.9	801.0	698.6	648.0	591.7	556.3	433.3

Selected Courses							
Windward / Leeward	1037.8	846.5	756.5	722.1	691.9	669.5	614.6
Circular Random	893.2	731.7	647.3	598.6	566.8	542.7	502.6
Coastal / Long Distance	1034.3	799.4	688.0	627.4	584.0	546.4	477.1
Non Spinnaker	959.8	777.5	680.6	624.6	589.4	565.0	530.8

Velocity Prediction in Knots for True Wind Speeds							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	42.1°	40.5°	38.0°	37.3°	37.3°	37.2°	39.0°
Beat VMG	3.36	4.04	4.42	4.52	4.54	4.60	4.52
52°	5.09	5.86	6.18	6.28	6.32	6.38	6.42
60°	5.37	6.01	6.33	6.49	6.57	6.61	6.74
75°	5.56	6.14	6.50	6.86	7.04	7.14	7.34
90°	5.61	6.27	6.64	6.99	7.43	7.73	7.95
110°	5.61	6.34	6.94	7.53	7.91	8.22	8.88
120°	5.45	6.23	6.82	7.51	8.29	8.81	9.73
135°	4.89	5.90	6.43	7.02	7.71	8.55	11.33
150°	4.14	5.19	5.95	6.36	6.79	7.31	9.59
Run VMG	3.59	4.49	5.15	5.56	6.08	6.47	8.31
Gybe Angles	144.5°	148.0°	150.7°	174.7°	177.8°	177.5°	138.1°