



2020 ORC Club Certificate

Rating Office

Offshore
Racing
Congress



Certificate

Number **058/20**
 Issued On **10/08/2020**
 ORC Ref **03850000071**
 VPP Ver. **2020 1.02**
 Valid until **31/12/2020**

Crew Weight

Default **1,123kg**
 Maximum **700kg**
 Minimum* **525kg**
*when applied by the NoR and SI
 Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	661.4	0.9072
Non Spin OSN	636.3	0.9430

Sails Limitations

Headsails **6** Spinnakers **0**
Woven Polyester

Spinnaker configuration

Symmetric: **No**
 Asymmetric: **No**
 Flying H/S: **No**
 Spin. Pole: **No**

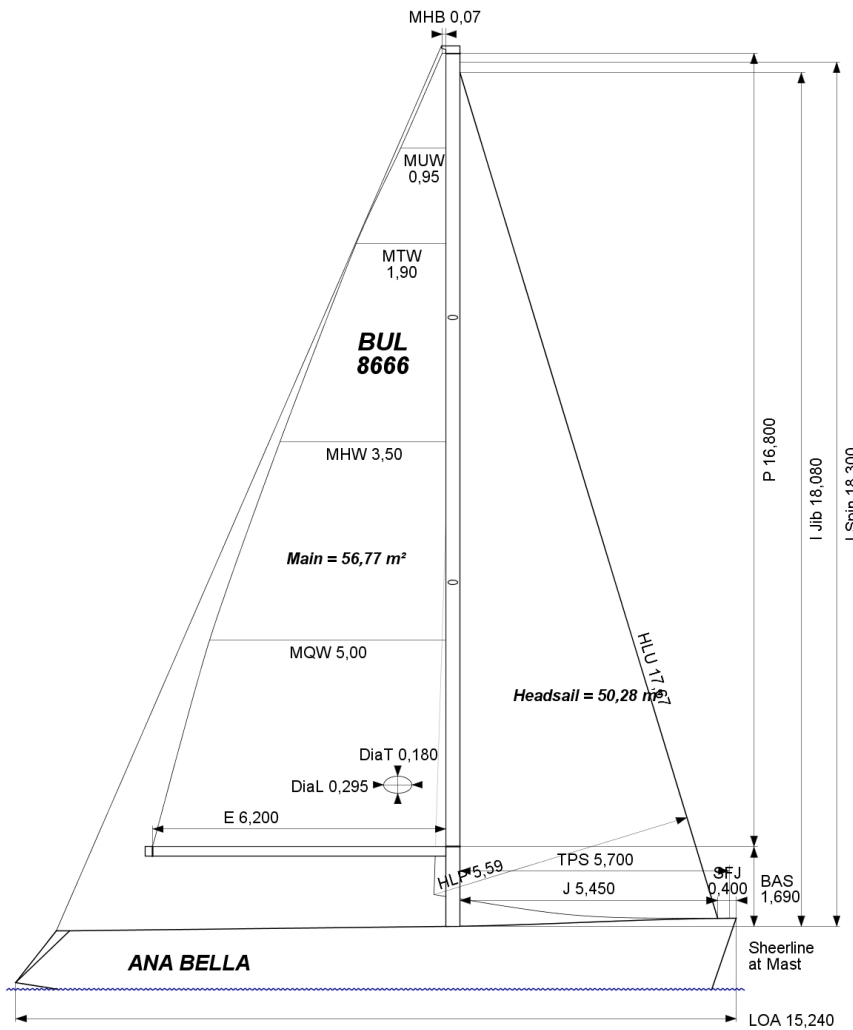
Class Division Length

CDL = 11.144

Stability (Estimated)

Limit Positive Stab.: **117.9°**
 Stability Index: **120.9**

Owner



BOAT Name ANA BELLA Sail Nr BUL-8666	GPH 661.4	HULL Data File BUL8666 LOA 15.240m Offset File CYC505CL.OFF MB 4.888m Displacement 12,677kg Draft 2.098m
CLASS Class CYCLADES 50.5 Designer BERRET/RACOUPEAU Builder BENETEAU Series 01/2006 Age Date 01/2006 Age Allowance 0.455%		IMS Division Cruiser/Racer Dynamic All. 0.367% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS		IMSL 14.049m VCGD -0.200m Sink 37.12kg/mm RL 8.249m VCGM -0.113m WS 47.38m² LSM0 14.094m Displacement/Length ratio 4.5281 Water Ballast 0 Trim Tab No BLR Index 0.0000
PROPELLER Installation Shaft exposed PRD 0.500 Type Solid 3 blades PBW 0.135 PIPA 0.0319		CENTERBOARD N/A

SCORING OPTIONS	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Time on Distance	636.3			720.3	
Time on Time	0.9430			0.9371		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	829.2	571.1	468.2	1102.9	731.9	576.7
Time on Time	0.8140	1.1820	1.4416	0.6120	0.9223	1.1704

2020

ORC Club Certificate Appendix

BOAT	
Name	ANA BELLA
Certificate Number	058/20
Sail Nr	BUL-8666
Issued On	10/08/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1228.8	967.5	825.6	735.2	680.6	656.4	646.5
52°	767.7	613.9	530.7	477.6	447.3	433.8	427.2
60°	700.5	569.5	496.9	451.5	428.2	416.6	409.4
75°	652.9	536.7	469.9	433.1	414.2	401.7	385.0
90°	660.2	538.4	469.1	430.4	410.6	396.6	370.0
110°	744.5	586.6	499.5	445.7	417.9	400.8	368.4
120°	800.1	626.7	530.1	467.3	429.6	408.8	376.5
135°	937.9	718.0	595.9	518.6	464.6	430.2	394.8
150°	1110.2	837.6	682.2	584.2	516.7	466.9	412.7
Run VMG	1265.5	949.9	766.3	648.6	567.8	508.7	432.0
Selected Courses							
Windward / Leeward	1247.1	958.7	795.9	691.9	624.2	582.6	539.2
Circular Random	975.1	759.9	638.0	562.9	514.7	483.0	445.8
Coastal / Long Distance	1249.0	895.6	705.8	586.3	520.1	476.8	419.6
Non Spinnaker	975.1	759.9	638.0	562.9	514.7	483.0	445.8

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	48.0°	45.8°	45.0°	43.9°	43.5°	43.5°	43.5°
Beat VMG	2.93	3.72	4.36	4.90	5.29	5.48	5.57
52°	4.69	5.86	6.78	7.54	8.05	8.30	8.43
60°	5.14	6.32	7.24	7.97	8.41	8.64	8.79
75°	5.51	6.71	7.66	8.31	8.69	8.96	9.35
90°	5.45	6.69	7.67	8.36	8.77	9.08	9.73
110°	4.84	6.14	7.21	8.08	8.61	8.98	9.77
120°	4.50	5.74	6.79	7.70	8.38	8.81	9.56
135°	3.84	5.01	6.04	6.94	7.75	8.37	9.12
150°	3.24	4.30	5.28	6.16	6.97	7.71	8.72
Run VMG	2.84	3.79	4.70	5.55	6.34	7.08	8.33
Gybe Angles	171.0°	173.0°	174.0°	175.0°	176.0°	176.0°	178.0°