



ORC

Offshore Racing Congress
World leader in rating technology

**2020
ORC Club
Certificate**

Rating Office

**Offshore
Racing
Congress**



Certificate

Number **002-20**
Issued On **17/06/2020**
ORC Ref **03880000KQQ**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 635kg
Maximum **560kg**
Minimum* **420kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	679.8	0.8826
Non Spin OSN	659.0	0.9105

Sails Limitations

Headsails **1** Spinnakers **0**
Woven Polyester

Spinnaker configuration

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

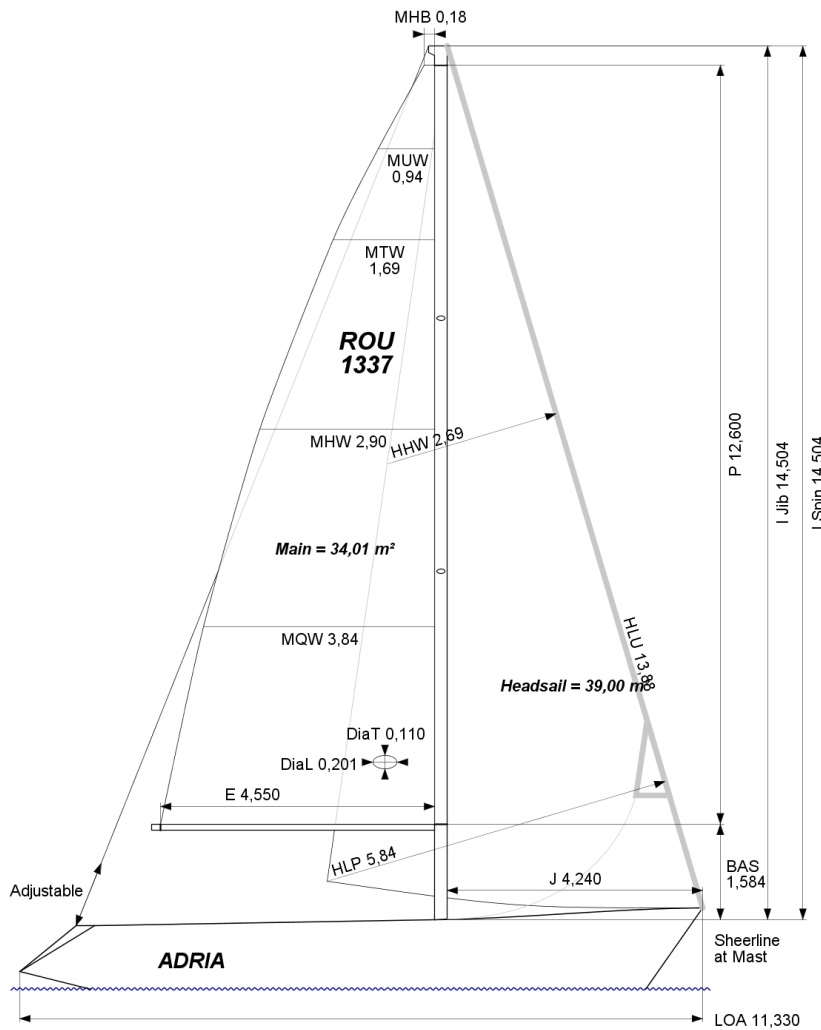
Class Division Length

CDL = 8.740

Stability (Estimated)

Limit Positive Stab.: **112.7°**
Stability Index: **113.3**

Owner



BOAT		GPH		HULL		
Name	Adria		679.8	Data File	ROU1337 LOA 11.330m	
Sail Nr	ROU-1337			Offset File	GRS37.OFF MB 3.780m	
				Displacement	6,425kg Draft 2.019m	
CLASS				IMS Division	Cruiser/Racer Dynamic All. 0.346%	
Class	Grand Soleil 37			Plan Review	Construction Solid	
Designer	Jakopin			Fiber Rigging	No Aramid Core No	
Builder	Del Pardo			Crew Arm Ex	Carbon Rudder No	
Series	01/1997			Light Stanchions No		
Age Date	08/2003			IMSL	9.492m VCGD 0.051m Sink 19.78kg/mm	
Age Allowance	0.487%			RL	7.988m VCGM 0.083m WS 26.50m²	
COMMENTS				LSM0	9.445m Displacement/Length ratio 7.6255	
				Water Ballast	0 Trim Tab No	
				BLR Index	0.0000	
PROPELLER				CENTERBOARD		
Installation	Strut	PRD	0.430	N/A		
Type	Folding 2 blades	PIPA	0.0007			
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	659.0			732.9		
Time on Time	0.9105			0.9211		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	799.0	597.5	522.4	1045.9	740.7	621.4
Time on Time	0.8448	1.1298	1.2921	0.6454	0.9113	1.0863

2020

ORC Club Certificate Appendix

BOAT	
Name Adria	Certificate Number 002-20
Sail Nr ROU-1337	Issued On 17/06/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1105.2	922.0	814.4	747.1	718.6	706.8	705.7
52°	719.9	610.3	546.6	517.9	504.4	498.8	495.9
60°	679.0	578.3	527.7	504.9	492.1	484.9	480.4
75°	648.4	554.9	514.2	494.1	479.7	468.1	454.7
90°	654.3	555.6	512.0	490.8	475.2	460.8	436.8
110°	727.6	601.6	529.7	499.5	480.4	463.2	430.5
120°	767.9	636.2	552.8	510.7	488.3	470.6	436.5
135°	887.1	711.0	610.8	543.5	508.4	488.0	454.3
150°	1058.3	819.1	688.8	603.4	543.1	509.3	472.4
Run VMG	1222.0	934.5	769.5	666.4	592.0	539.4	488.3
Selected Courses							
Windward / Leeward	1163.6	928.3	791.9	706.7	655.3	623.1	597.0
Circular Random	953.1	762.8	658.7	596.9	558.6	534.1	506.1
Coastal / Long Distance	1169.4	872.1	712.0	616.0	566.1	531.9	483.2
Non Spinnaker	953.1	762.8	658.7	596.9	558.6	534.1	506.1

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	43.1°	41.3°	41.6°	40.5°	39.8°	39.4°	39.8°
Beat VMG	3.26	3.90	4.42	4.82	5.01	5.09	5.10
52°	5.00	5.90	6.59	6.95	7.14	7.22	7.26
60°	5.30	6.22	6.82	7.13	7.32	7.42	7.49
75°	5.55	6.49	7.00	7.29	7.50	7.69	7.92
90°	5.50	6.48	7.03	7.33	7.58	7.81	8.24
110°	4.95	5.98	6.80	7.21	7.49	7.77	8.36
120°	4.69	5.66	6.51	7.05	7.37	7.65	8.25
135°	4.06	5.06	5.89	6.62	7.08	7.38	7.92
150°	3.40	4.39	5.23	5.97	6.63	7.07	7.62
Run VMG	2.95	3.85	4.68	5.40	6.08	6.67	7.37
Gybe Angles	145.0°	169.0°	170.0°	171.5°	172.0°	174.0°	177.0°