



World Leader in Rating Technology

2016 ORC Club Certificate

Rating Office

Hungarian Yachting
Association
Istvanmezei ut 1-3
H-1146 Budapest
HUNGARY



Certificate

Number **002/16**
Issued On **26.4.2016.**
ORC Ref **HUN00062691**
VPP Ver. **2016 1.01**
Valid until **31.12.2016.**

Crew Weight

Declared **480kg**
Default* **512kg**
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **661.2 0.9074**
Non Spin OSN **646.0 0.9288**
N/S Perf. Line **53.3 0.651**

Sails Limitations

Headsails **6** Spinnakers **3**

Spinnaker configuration

Symmetric: **Yes 122.91**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = **8.055**

Stability

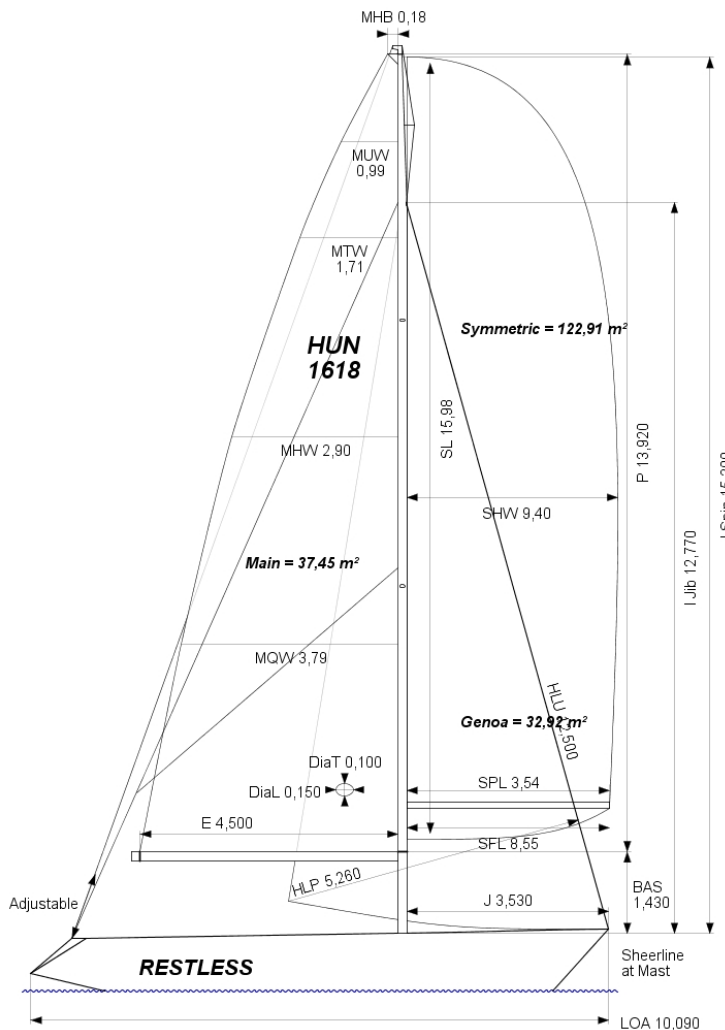
LPS (Measured): **110.5°**
Stability Index: **106.4**
OSR Category: **N/A**

Owner

Dr Bence Babicsák
Árpád u. 2/A
8380 Hévíz
HUNGARY

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

Signature



BOAT		GPH		HULL			
Name Restless Sail Nr HUN-1618		626.6		Data File HUN1618.dxt	LOA 10.090m		
				Offset File F034.bof	MB 3.410m		
				Displacement 3,808kg	Draft 1.871m		
CLASS				IMS Division Performance	Dynamic All. 0.000%		
Class DB 1				Fwd Accom. Yes	Construction Solid		
Designer Van Der Stadt				Fiber Rigging No	Aramid Core No		
Builder Dehler				Crew Arm Ex	Carbon Rudder No		
Series 12.1980, CIN Build No. 00035					Light Stanchions No		
Age Date 04.1981				IMSL 8.165m	VCGD 0.078m	Sink 14.29kg/mm	
Age Allowance 0.487%				RL 7.942m	VCGM 0.086m	WS 19.26m2	
COMMENTS				LSM0 8.130m	Displacement/Length ratio 7.0864		
				Water Ballast 0	Trim Tab No		
PROPELLER				CENTERBOARD			
Installation Shaft exposed	PRD 0.460			N/A			
Type Folding 2 blades	PBW 0.115						
	PIPA 0.0037						
SCORING OPTIONS							
	OFFSHORE			INSHORE			
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD			
Time On Distance	613.5			681.1			
Time On Time	0.9780			0.9911			
Performance Line	PLT	PLD		PLT	PLD		
	0.756	97.3		1.038	341.9		
Triple Number	Low	Medium	High	Low	Medium	High	
	0.9720	1.1995	1.3206	0.7574	0.9881	1.1144	



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ORC Club Certificate Appendix

BOAT	
Name Restless	Certificate Number 002/16
Sail Nr HUN-1618	Issued On 26.4.2016.

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1021.6	865.7	783.6	749.3	731.6	723.7	716.7
52°	673.1	576.0	541.1	528.9	522.4	518.3	512.8
60°	634.4	554.8	527.1	513.7	506.2	501.8	496.9
75°	603.1	540.7	514.4	495.4	481.7	474.6	468.6
90°	606.3	541.8	514.9	493.5	474.1	459.1	445.0
110°	602.5	528.9	501.6	485.1	471.2	459.2	439.7
120°	615.8	534.5	499.1	472.3	457.0	444.4	424.4
135°	682.2	562.0	517.4	486.3	457.1	431.0	397.3
150°	801.8	651.2	559.2	515.9	487.0	459.9	412.5
Run VMG	925.8	751.9	642.0	574.0	529.3	500.3	449.1

Selected Courses							
Windward / Leeward	973.7	808.8	712.8	661.6	630.5	612.0	582.9
Circular Random	839.4	688.4	609.6	564.9	537.6	519.6	495.7
Ocean for PCS	1023.3	803.7	681.5	607.5	559.5	525.8	477.7
Non Spinnaker	901.7	732.4	642.2	590.0	557.8	536.5	509.4

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	42.2°	42.3°	40.8°	39.3°	38.3°	38.0°	38.1°
Beat VMG	3.52	4.16	4.59	4.80	4.92	4.97	5.02
52°	5.35	6.25	6.65	6.81	6.89	6.95	7.02
60°	5.67	6.49	6.83	7.01	7.11	7.17	7.25
75°	5.97	6.66	7.00	7.27	7.47	7.58	7.68
90°	5.94	6.64	6.99	7.29	7.59	7.84	8.09
110°	5.98	6.81	7.18	7.42	7.64	7.84	8.19
120°	5.85	6.73	7.21	7.62	7.88	8.10	8.48
135°	5.28	6.41	6.96	7.40	7.88	8.35	9.06
150°	4.49	5.53	6.44	6.98	7.39	7.83	8.73
Run VMG	3.89	4.79	5.61	6.27	6.80	7.20	8.02
Gybe Angles	141.4°	149.0°	152.9°	164.5°	180.0°	180.0°	180.0°