



ORC

Offshore Racing Congress
World leader in rating technology

2020
ORC Club
Certificate

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



Certificate

Number **024/20**
Issued On **23/07/2020**
ORC Ref **03880000N28**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 512kg
Maximum **512kg**
Minimum* **384kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **658.2 0.9116**
Non Spin OSN **642.8 0.9334**

Sails Limitations

Headsails **5** Spinnakers **4**

Spinnaker configuration

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

Class Division Length

CDL = 8.104

Stability (Measured)

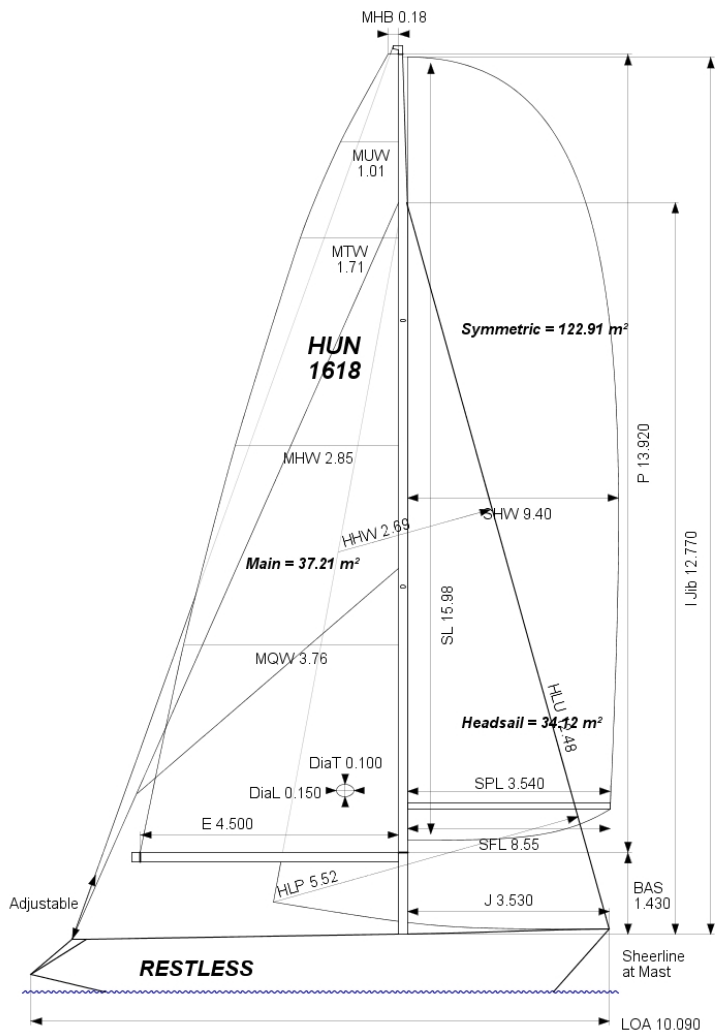
Limit Positive Stab.: **110.5°**
Stability Index: **106.4**

Owner

Dr Bence Babicsák
8360 Keszthely
Pázmány 66
HUNGARY

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

Signature



BOAT		GPH		HULL		
Name Restless Sail Nr HUN-1618		622.6		Data File HUN1618	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	Plan Review			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
Age Allowance	0.487%				Sink 14.29kg/mm	
COMMENTS					RL 8.042m	VCGM 0.086m
					WS 19.26m²	
					LSM0 8.130m	Displacement/Length ratio 7.0864
PROPELLER		CENTERBOARD		Water Ballast Trim Tab No		
Installation	Shaft exposed	PRD	0.460		BLR Index 0.0000	
Type	Folding 2 blades	PBW	0.115			
		PIPA	0.0037		N/A	
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	609.4			675.5		
Time on Time	0.9846			0.9992		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	682.8	561.0	514.4	868.8	676.8	608.7
Time on Time	0.9886	1.2033	1.3121	0.7769	0.9974	1.1089

**ORC**Offshore Racing Congress
World leader in rating technology

2020

ORC Club Certificate Appendix

BOAT	
Name Restless	Certificate Number 024/20
Sail Nr HUN-1618	Issued On 23/07/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	988.1	833.3	768.1	744.6	734.6	732.8	728.7
52°	657.2	570.2	542.6	532.9	528.2	525.6	521.7
60°	624.2	554.9	530.8	519.5	513.5	510.3	507.1
75°	601.1	544.7	520.1	503.3	491.6	485.1	479.8
90°	605.0	543.3	516.9	496.5	478.9	465.4	451.6
110°	599.4	529.5	501.7	485.5	471.5	459.5	440.8
120°	609.2	532.2	498.4	471.6	455.5	442.6	422.1
135°	673.0	556.2	513.4	481.5	453.1	428.6	392.6
150°	789.0	643.5	554.4	512.2	482.6	455.4	406.8
Run VMG	911.1	743.1	636.5	571.1	527.1	497.6	446.0
Selected Courses							
Windward / Leeward	949.6	788.2	702.3	657.9	630.9	615.2	587.4
Circular Random	827.8	681.2	605.8	563.9	538.7	522.1	499.5
Coastal / Long Distance	945.7	744.2	641.0	584.2	551.4	525.0	480.8
Non Spinnaker	892.4	726.6	639.4	589.7	559.5	539.7	514.2

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	41.3°	40.9°	39.0°	38.3°	37.9°	38.3°	38.3°
Beat VMG	3.64	4.32	4.69	4.83	4.90	4.91	4.94
52°	5.48	6.31	6.63	6.75	6.82	6.85	6.90
60°	5.77	6.49	6.78	6.93	7.01	7.06	7.10
75°	5.99	6.61	6.92	7.15	7.32	7.42	7.50
90°	5.95	6.63	6.96	7.25	7.52	7.73	7.97
110°	6.01	6.80	7.18	7.41	7.63	7.83	8.17
120°	5.91	6.76	7.22	7.63	7.90	8.13	8.53
135°	5.35	6.47	7.01	7.48	7.95	8.40	9.17
150°	4.56	5.59	6.49	7.03	7.46	7.91	8.85
Run VMG	3.95	4.84	5.66	6.30	6.83	7.23	8.07
Gybe Angles	142.1°	148.5°	153.0°	164.0°	180.0°	180.0°	180.0°