



World Leader in Rating Technology

2018 ORC Club Certificate

Rating Office

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



Certificate

Number **019/18**
Issued On **21/06/2018**
ORC Ref **HUN10014748**
VPP Ver. **2018 1.00**
Valid until **31/12/2018**

Crew Weight

Default 512kg
Maximum **480kg**
Minimum* **360kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	660.4	0.9085
Non Spin OSN	644.3	0.9312

Sails Limitations

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

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

Class Division Length

CDL = 8.088

Stability (Measured)

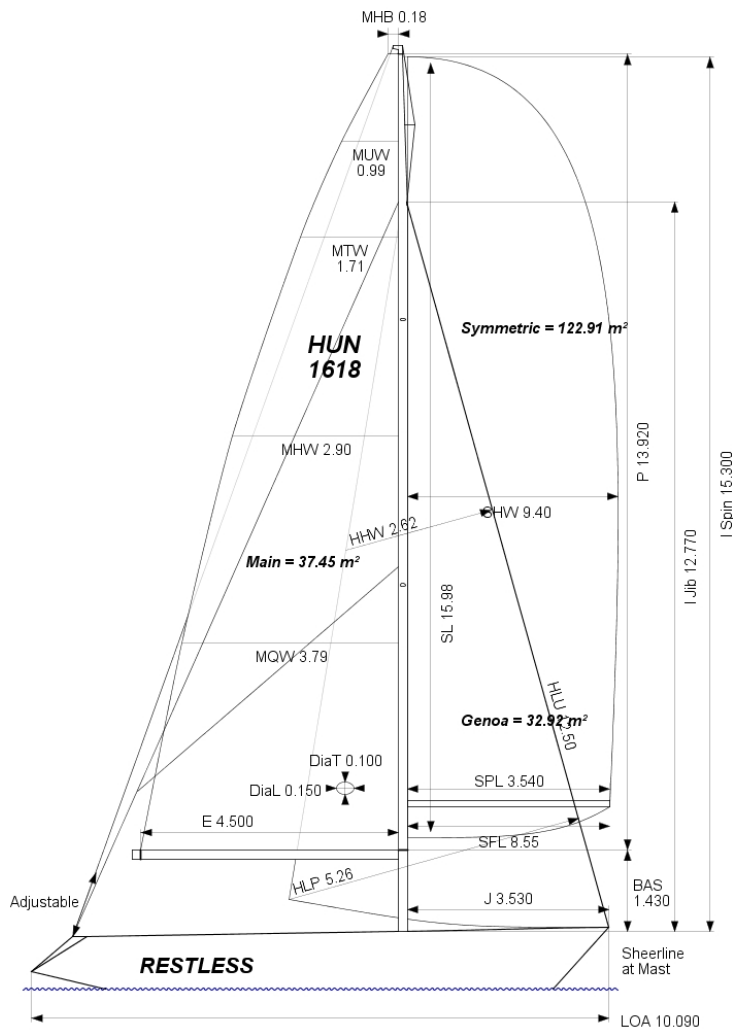
Limit Positive Stab.: **110.5°**
Stability Index: **106.4**

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	623.9	Data File HUN1618 LOA 10.090m Offset File F034.bof MB 3.410m Displacement 3,808kg Draft 1.871m
CLASS Class DB 1 Designer Van Der Stadt Builder Dehler Series 12/1980, CIN Build No. 00035 Age Date 04/1981 Age Allowance 0.487%	IMS Division Performance Dynamic All. 0.000% Fwd Accom. Yes Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No	IMS L 8.165m VCGD 0.078m Sink 14.29kg/mm RL 8.008m VCGM 0.086m WS 19.26m ² LSM0 8.130m Displacement/Length ratio 7.0864
COMMENTS	Water Ballast 0 Trim Tab No BLR Index 0.0000	CENTERBOARD NA
PROPELLER Installation Shaft exposed PRD 0.460 Type Folding 2 blades PBW 0.115 PIPA 0.0037		
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	610.4	676.6
Time on Time	0.9830	0.9976
Triple Number	Low Medium High	Low Medium High
Time on Distance	685.0 561.8 515.3	870.3 677.7 609.8
Time on Time	0.9854 1.2016 1.3100	0.7756 0.9960 1.1070



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ORC Club Certificate Appendix

BOAT			
Name	Restless	Certificate Number	019/18
Sail Nr	HUN-1618	Issued On	21/06/2018

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	988.9	834.4	769.0	746.2	736.6	735.1	729.9
52°	660.9	571.1	543.3	533.6	528.8	526.3	521.7
60°	629.9	555.8	531.5	520.1	514.2	511.0	507.1
75°	608.7	546.2	520.9	504.1	492.3	485.8	480.5
90°	614.8	546.3	518.3	497.4	479.8	466.3	452.1
110°	600.3	529.6	502.4	485.6	471.5	459.7	441.3
120°	611.6	532.2	498.7	472.3	456.6	443.7	423.3
135°	675.3	557.6	514.2	482.1	453.4	429.1	394.4
150°	791.2	644.5	555.0	512.6	483.2	456.0	407.6
Run VMG	913.6	744.2	637.2	571.3	527.2	497.9	446.3
Selected Courses							
Windward / Leeward	951.2	789.3	703.1	658.7	631.9	616.5	588.1
Circular Random	830.6	683.0	607.0	564.9	539.6	523.0	500.2
Coastal / Long Distance	947.5	745.4	641.8	585.0	552.4	526.1	481.4
Non Spinnaker	897.0	729.6	641.4	591.2	560.8	540.8	515.0

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	41.0°	40.8°	38.9°	38.4°	38.1°	38.3°	38.6°
Beat VMG	3.64	4.31	4.68	4.82	4.89	4.90	4.93
52°	5.45	6.30	6.63	6.75	6.81	6.84	6.90
60°	5.72	6.48	6.77	6.92	7.00	7.05	7.10
75°	5.91	6.59	6.91	7.14	7.31	7.41	7.49
90°	5.86	6.59	6.95	7.24	7.50	7.72	7.96
110°	6.00	6.80	7.17	7.41	7.63	7.83	8.16
120°	5.89	6.76	7.22	7.62	7.88	8.11	8.50
135°	5.33	6.46	7.00	7.47	7.94	8.39	9.13
150°	4.55	5.59	6.49	7.02	7.45	7.89	8.83
Run VMG	3.94	4.84	5.65	6.30	6.83	7.23	8.07
Gybe Angles	142.1°	148.7°	153.0°	163.9°	180.0°	180.0°	180.0°