



World Leader in Rating Technology

2018 ORC Club Certificate

Rating Office

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



Certificate

Number **009/18**
Issued On **18/05/2018**
ORC Ref **HUN10014278**
VPP Ver. **2018 1.00**
Valid until **31/12/2018**

Crew Weight

Default 727kg
Maximum **480kg**
Minimum* **360kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	626.9	0.9571
Non Spin OSN	611.5	0.9813

Sails Limitations

Headsails **1** Spinnakers **4**

Spinnaker configuration
Symmetric: **Yes** **72.59**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = 9.893

Stability (Measured)

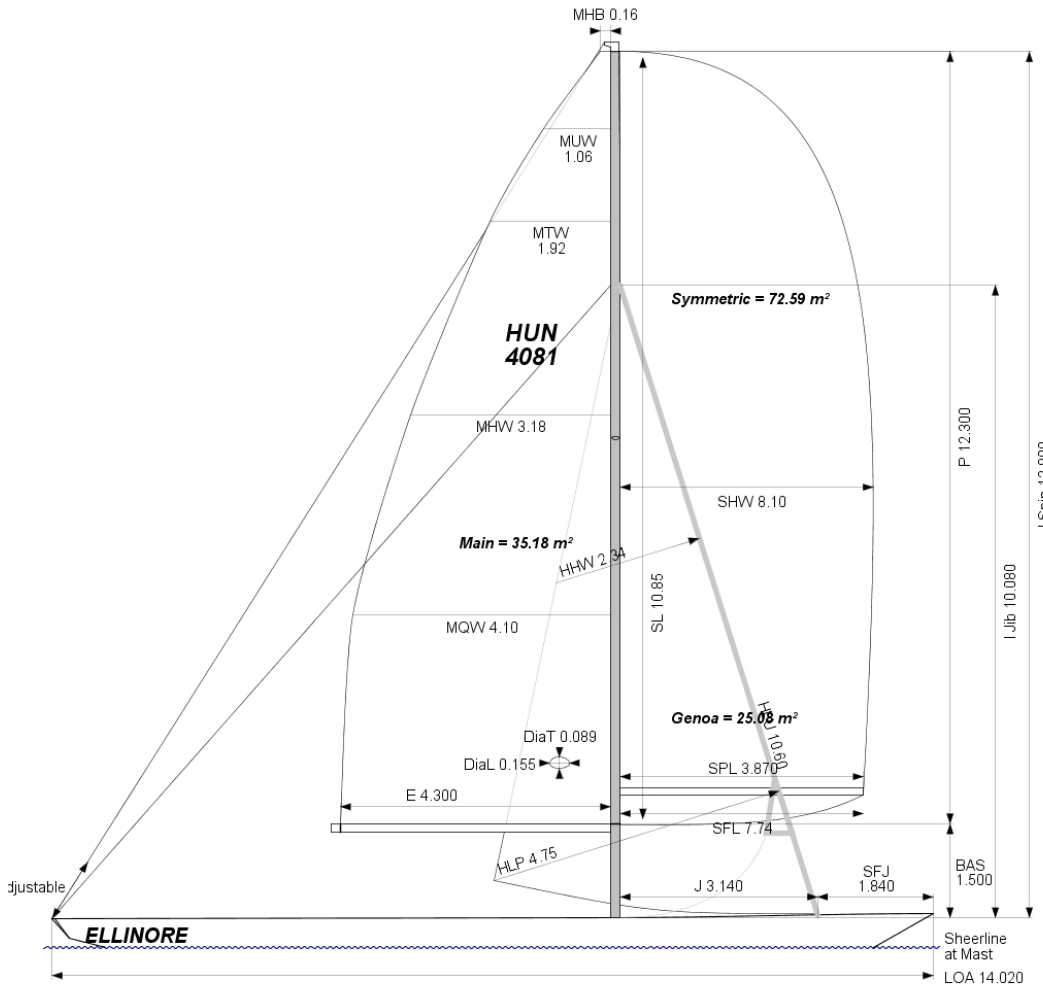
Limit Positive Stab.: **138.5°**
Stability Index: **144.0**

Owner

Geller László
Honfoglalás u. 64
1221 Budapest
HUNGARY

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

Signature



BOAT	GPH	HULL
Name Ellinore Sail Nr HUN 40-81	589.4	Data File HUN 40-81 LOA 14.020m Offset File ellinore.off MB 1.796m Displacement 3,649kg Draft 1.726m
CLASS Class 40 Skerry Cruiser Designer Builder Sweden Series 01/1922 Age Date 01/1922 Age Allowance 0.487%		IMS Division Cruiser/Racer Dynamic All. 0.274% Fwd Accom. Yes Construction Solid Fiber Rigging Yes Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS PAUGER CARBON MAST FIBER RIG ELECTRIC ENGINE		IMSL 11.483m VCGD -0.534m Sink 13.87kg/mm RL 8.302m VCGM -0.449m WS 22.42m² LSM0 10.393m Displacement/Length ratio 3.2505
PROPELLER Installation Strut PRD 0.260 Type Feathering 3 blades PBW 0.080 PIPA 0.0035		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD N/A

SCORING OPTIONS	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Time on Distance	574.0			655.9	
Time on Time	1.0453			1.0291		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	683.8	519.1	456.5	898.3	660.5	568.5
Time on Time	0.9872	1.3003	1.4787	0.7514	1.0220	1.1874



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ORC Club Certificate Appendix

BOAT	
Name Ellinore	Certificate Number 009/18
Sail Nr HUN 40-81	Issued On 18/05/2018

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1023.3	831.8	763.1	732.8	716.1	704.1	682.1
52°	658.8	539.9	498.2	480.5	470.7	466.0	452.1
60°	615.1	505.2	468.8	454.9	447.2	443.0	431.1
75°	582.8	479.3	443.3	429.2	420.4	414.2	403.3
90°	593.4	480.8	439.0	414.1	397.5	387.1	375.0
110°	604.7	483.6	443.8	422.5	403.9	383.2	344.6
120°	626.2	493.1	438.2	412.7	393.0	375.6	340.3
135°	707.6	549.1	464.2	425.7	390.7	358.0	316.7
150°	849.5	655.7	539.9	469.2	431.4	398.6	336.0
Run VMG	981.0	757.1	623.5	541.0	490.7	453.1	387.9
Selected Courses							
Windward / Leeward	1002.1	794.5	693.3	636.9	603.4	578.6	535.0
Circular Random	823.6	658.8	570.9	520.0	488.1	465.8	433.6
Coastal / Long Distance	1000.0	742.3	616.2	542.9	501.8	467.7	408.4
Non Spinnaker	893.2	707.6	606.3	546.3	508.2	482.1	446.8

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	44.3°	43.8°	42.5°	42.4°	42.7°	42.5°	42.7°
Beat VMG	3.52	4.33	4.72	4.91	5.03	5.11	5.28
52°	5.46	6.67	7.23	7.49	7.65	7.73	7.96
60°	5.85	7.13	7.68	7.91	8.05	8.13	8.35
75°	6.18	7.51	8.12	8.39	8.56	8.69	8.93
90°	6.07	7.49	8.20	8.69	9.06	9.30	9.60
110°	5.95	7.44	8.11	8.52	8.91	9.40	10.45
120°	5.75	7.30	8.22	8.72	9.16	9.59	10.58
135°	5.09	6.56	7.76	8.46	9.21	10.06	11.37
150°	4.24	5.49	6.67	7.67	8.35	9.03	10.72
Run VMG	3.67	4.76	5.77	6.65	7.34	7.94	9.28
Gybe Angles	140.0°	143.8°	146.0°	151.7°	158.0°	180.0°	147.2°