



World Leader in Rating Technology

2018 ORC Club Certificate

Rating Office

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



Certificate

Number **022/18**
Issued On **20/07/2018**
ORC Ref **HUN10015082**
VPP Ver. **2018 1.00**
Valid until **31/12/2018**

Crew Weight

Default 618kg
Maximum **350kg**
Minimum* **263kg**
**when applied by the NoR and SI*
Non Manual Pwr

Special Scoring

	ToD	ToT
Non Spin GPH	674.9	0.8890
Non Spin OSN	654.7	0.9165

Sails Limitations

Headsails **1** Spinnakers **3**
Dacron Sails

Spinnaker configuration
Symmetric: **Yes 76.22**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = 8.716

Stability (Measured)

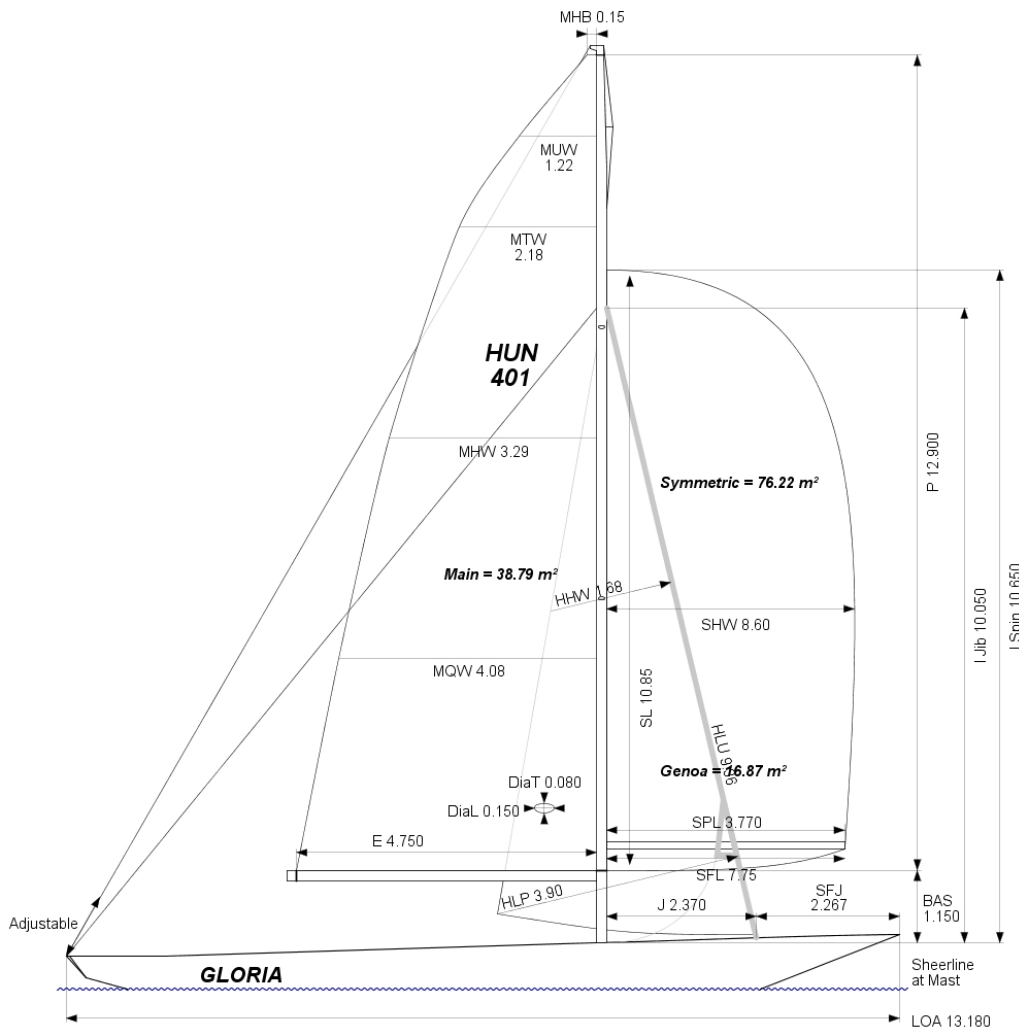
Limit Positive Stab.: **150.4°**
Stability Index: **155.7**

Owner

Miklós Juhász
Dózsa György u. 2.
2094 Nagykövácsi
HUNGARY

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

Signature



BOAT		GPH	HULL			
Name Gloria	Sail Nr HUN 40-1	635.5	Data File HUN 40-1	LOA 13.180m		
			Offset File gloria.off	MB 2.100m		
			Displacement 4,100kg	Draft 1.651m		
CLASS		IMS Division Performance				
Class 40 Skerry Cruiser	Designer A. Harms	Builder Balatonfüred SY	Fiber Rigging No	Dynamic All. 0.246%	Construction Solid	Fwd Accom. Yes
Series 01/1925	Age Date 05/1925	Age Allowance 0.487%	Crew Arm Ex	Aramid Core No	Carbon Rudder No	Fiber Rigging No
		IMSL 10.166m VCGD -0.548m Sink 13.08kg/mm				
		RL 7.264m VCGM -0.476m WS 21.62m²				
		LSMO 9.270m Displacement/Length ratio 5.1469				
COMMENTS		Water Ballast 0 Trim Tab No BLR Index 0.0000				
PROPELLER		CENTERBOARD				
Installation Shaft exposed	PRD 0.360	N/A				
Type Solid 2 blades	PBW 0.100					
	PIPA 0.0139					
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	617.8			701.2		
Time on Time	0.9711			0.9627		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	740.1	558.1	496.5	972.3	704.0	609.4
Time on Time	0.9120	1.2095	1.3596	0.6942	0.9588	1.1077



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ORC Club Certificate Appendix

BOAT	
Name Gloria	Certificate Number 022/18
Sail Nr HUN 40-1	Issued On 20/07/2018

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1124.5	910.3	819.7	783.5	765.0	754.5	738.0
52°	728.9	594.8	536.0	515.3	505.3	499.7	490.8
60°	683.9	559.1	508.3	490.9	482.8	478.1	471.2
75°	650.1	531.7	487.5	469.2	458.6	452.2	445.1
90°	636.7	528.1	483.9	460.9	444.2	430.3	414.3
110°	629.7	509.8	468.8	452.5	438.2	424.9	398.1
120°	656.2	520.5	470.2	442.4	424.1	409.4	382.6
135°	757.6	585.0	494.7	459.4	430.3	402.0	351.5
150°	904.9	701.2	571.3	496.6	462.2	434.9	380.3
Run VMG	1044.8	809.6	659.6	569.3	517.6	477.6	424.7
Selected Courses							
Windward / Leeward	1084.7	859.9	739.7	676.4	641.3	616.0	581.4
Circular Random	888.4	710.2	615.1	560.8	527.8	505.9	476.5
Coastal / Long Distance	1080.7	803.4	659.6	581.0	539.5	506.0	450.6
Non Spinnaker	960.5	761.0	652.4	588.8	549.5	523.8	491.4

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	44.0°	42.5°	42.8°	42.8°	42.9°	43.1°	43.0°
Beat VMG	3.20	3.95	4.39	4.59	4.71	4.77	4.88
52°	4.94	6.05	6.72	6.99	7.12	7.20	7.33
60°	5.26	6.44	7.08	7.33	7.46	7.53	7.64
75°	5.54	6.77	7.38	7.67	7.85	7.96	8.09
90°	5.65	6.82	7.44	7.81	8.10	8.37	8.69
110°	5.72	7.06	7.68	7.96	8.21	8.47	9.04
120°	5.49	6.92	7.66	8.14	8.49	8.79	9.41
135°	4.75	6.15	7.28	7.84	8.37	8.96	10.24
150°	3.98	5.13	6.30	7.25	7.79	8.28	9.47
Run VMG	3.45	4.45	5.46	6.32	6.96	7.54	8.48
Gybe Angles	143.3°	146.4°	144.6°	153.9°	163.6°	180.0°	180.0°