



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 **025/20**
Issued On **23/07/2020**
ORC Ref **03880000N2E**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

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 **676.0 0.8876**
Non Spin OSN **656.3 0.9142**

Sails Limitations

Headsails **1** Spinnakers **4**
Woven Polyester

Spinnaker configuration

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

Class Division Length

CDL = 8.643

Stability (Measured)

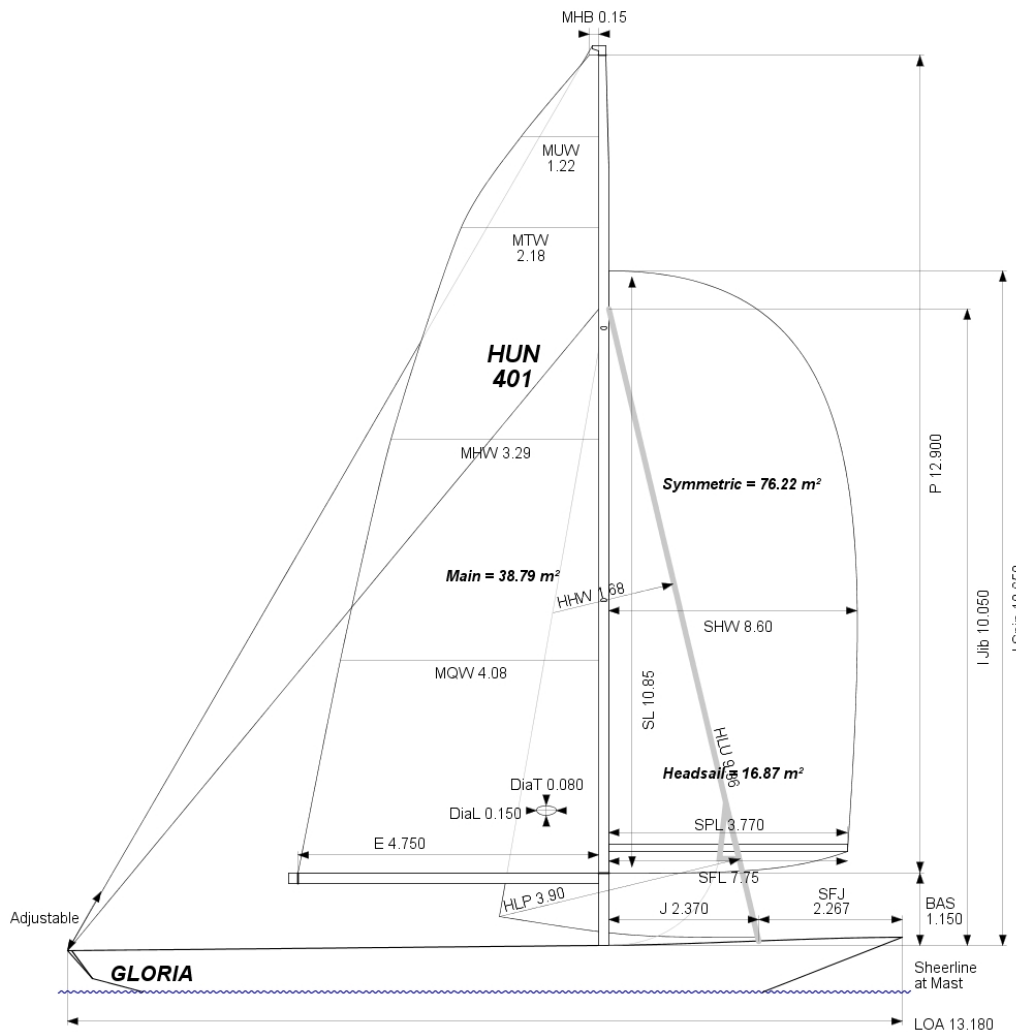
Limit Positive Stab.: **150.4°**
Stability Index: **155.7**

Owner

Miklós Juhász
Dózsa György u. 2.
2094 Nagykovácsi
HUNGARY

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

Signature



BOAT		GPH		HULL		
Name Gloria Sail Nr HUN 40-1		637.3		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			Dynamic All. 0.244%	
Class 40 Skerry Cruiser		Plan Review			Construction Solid	
Designer A. Harms		Fiber Rigging No			Aramid Core No	
Builder Balatonfüred SY		Crew Arm Ex			Carbon Rudder No	
Series 01/1925					Light Stanchions No	
Age Date 05/1925		IMSL 10.166m			VCGD -0.548m	Sink 13.08kg/mm
Age Allowance 0.487%		RL 7.158m			VCGM -0.476m	WS 21.62m²
		LSM0 9.270m			Displacement/Length ratio 5.1469	
COMMENTS		Water Ballast			Trim Tab No	
		BLR Index 0.0000				
PROPELLER		CENTERBOARD				
Installation Shaft exposed	PRD 0.360					
Type Solid 2 blades	PBW 0.100					
	PIPA 0.0139					
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	619.9			703.8		
Time on Time	0.9679			0.9591		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	740.6	560.0	499.6	972.8	706.1	613.6
Time on Time	0.9114	1.2053	1.3510	0.6939	0.9559	1.1001

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ORC Club Certificate Appendix

BOAT

Name	Gloria	Certificate Number	025/20
Sail Nr	HUN 40-1	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	1129.9	915.8	825.9	789.2	771.5	763.0	749.1
52°	731.2	598.3	539.7	518.9	509.2	504.0	495.8
60°	685.0	562.0	511.0	493.8	485.8	481.5	474.9
75°	648.4	533.9	489.2	471.1	461.2	455.3	449.4
90°	639.3	532.0	485.2	462.3	446.0	432.8	418.2
110°	629.2	510.7	470.4	454.2	440.0	426.9	399.2
120°	652.7	520.7	470.7	443.3	425.5	410.9	384.4
135°	751.9	581.3	493.9	459.1	430.0	401.6	353.0
150°	899.9	698.1	568.7	495.7	461.7	434.1	379.2
Run VMG	1039.1	806.0	656.7	568.1	516.9	477.3	424.1

Selected Courses

Windward / Leeward	1084.5	860.9	741.3	678.7	644.2	620.2	586.6
Circular Random	889.2	711.5	616.9	563.0	530.4	509.0	480.3
Coastal / Long Distance	1080.0	804.4	661.1	583.1	542.0	508.9	453.7
Non Spinnaker	959.9	761.4	653.6	590.5	551.8	526.5	495.0

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	43.9°	42.8°	42.8°	42.8°	42.8°	43.1°	43.1°
Beat VMG	3.19	3.93	4.36	4.56	4.67	4.72	4.81
52°	4.92	6.02	6.67	6.94	7.07	7.14	7.26
60°	5.26	6.41	7.04	7.29	7.41	7.48	7.58
75°	5.55	6.74	7.36	7.64	7.80	7.91	8.01
90°	5.63	6.77	7.42	7.79	8.07	8.32	8.61
110°	5.72	7.05	7.65	7.93	8.18	8.43	9.02
120°	5.52	6.91	7.65	8.12	8.46	8.76	9.37
135°	4.79	6.19	7.29	7.84	8.37	8.96	10.20
150°	4.00	5.16	6.33	7.26	7.80	8.29	9.49
Run VMG	3.46	4.47	5.48	6.34	6.96	7.54	8.49
Gybe Angles	143.0°	146.0°	144.5°	154.0°	164.0°	180.0°	180.0°