



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

Certificate
 Number **030/16**
 Issued On **3.6.2016.**
 ORC Ref **HUN00063354**
 VPP Ver. **2016 1.01**
 Valid until **31.12.2016.**

Crew Weight
 Declared **350kg**
 Default* **667kg**
 Non Manual Pwr

Special Scoring

	ToD	ToT
Non Spin	GPH 671.2	0.8939
Non Spin	OSN 653.6	0.9180
N/S	Perf. Line -13.8	0.548

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 = **8.843**

Stability
 LPS (Estimated): **140.5°**
 Stability Index: **146.3**
 OSR Category: **N/A**

Owner
 Miklós Juhász
 Dózsa György u. 2.
 2094 Nagykovácsi
 HUNGARY

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

Signature

BOAT Name Gloria Sail Nr HUN 40-1	GPH 641.0	HULL Data File HUN 40-1.dxt LOA 13.200m Offset File gloria.off MB 2.100m Displacement 4,654kg Draft 1.691m
CLASS Class 40 Skerry Cruiser Designer A Harms Builder Balatonfüred SY Series 01.1925 Age Date 05.1925 Age Allowance 0.488%	PERFORMANCE IMS Division Performance Dynamic All. 0.293% Fwd Accom. Yes Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No	WEIGHTS IMSL 10.578m VCGD -0.390m Sink 14.02kg/mm RL 7.107m VCGM -0.360m WS 22.94m2 LSM0 9.777m Displacement/Length ratio 4.9798
COMMENTS TPS = 4.5	WATERBALLAST Water Ballast 0 Trim Tab No	CENTERBOARD N/A
PROPELLER Installation Shaft exposed PRD 0.360 Type Solid 2 blades PBW 0.100 PIPA 0.0139		

	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
	PLT	PLD		PLT	PLD	
Time On Distance	624.3			709.1		
Time On Time	0.9611			0.9519		
Performance Line	0.613	13.3		0.765	174.9	
Triple Number	Low 0.8996	Medium 1.2007	High 1.3577	Low 0.6782	Medium 0.9442	High 1.1089



World Leader in Rating Technology

2016

ORC Club Certificate Appendix

BOAT

Name **Gloria** Certificate Number **030/16**
 Sail Nr **HUN 40-1** Issued On **3.6.2016.**

TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1150.7	933.8	839.9	792.1	762.0	747.1	730.5
52°	733.2	598.6	540.4	514.9	501.4	493.9	485.2
60°	677.0	554.3	504.7	487.2	478.2	472.5	465.9
75°	629.2	517.0	477.2	462.0	454.0	448.6	441.9
90°	631.0	516.9	473.6	453.5	439.0	429.3	419.2
110°	641.2	513.7	470.8	455.7	442.6	430.6	398.8
120°	671.8	529.8	472.3	446.5	431.4	418.0	392.0
135°	775.9	601.1	501.9	463.7	438.0	411.0	367.2
150°	926.4	716.2	584.5	503.8	466.3	441.8	391.7
Run VMG	1069.7	827.0	675.0	578.5	523.1	480.8	431.3

Selected Courses

Windward / Leeward	1110.2	880.4	757.4	685.3	642.6	613.9	580.9
Circular Random	899.7	717.9	620.3	564.0	529.7	507.2	478.3
Ocean for PCS	1120.4	853.5	703.0	611.3	552.1	511.0	454.2
Non Spinnaker	954.5	756.9	649.0	585.5	546.1	520.2	488.4

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	45.2°	44.5°	44.1°	43.5°	43.0°	43.1°	43.0°
Beat VMG	3.13	3.86	4.29	4.54	4.72	4.82	4.93
52°	4.91	6.01	6.66	6.99	7.18	7.29	7.42
60°	5.32	6.49	7.13	7.39	7.53	7.62	7.73
75°	5.72	6.96	7.54	7.79	7.93	8.02	8.15
90°	5.70	6.96	7.60	7.94	8.20	8.39	8.59
110°	5.61	7.01	7.65	7.90	8.13	8.36	9.03
120°	5.36	6.79	7.62	8.06	8.35	8.61	9.18
135°	4.64	5.99	7.17	7.76	8.22	8.76	9.80
150°	3.89	5.03	6.16	7.15	7.72	8.15	9.19
Run VMG	3.37	4.35	5.33	6.22	6.88	7.49	8.35
Gybe Angles	143.7°	147.3°	144.4°	153.1°	162.1°	180.0°	180.0°