



World Leader in Rating Technology

2016 ORC Club Certificate

Rating Office

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



Certificate

Number **039/16**
Issued On **6.9.2016**.
ORC Ref **HUN00070967**
VPP Ver. **2016 1.01**
Valid until **31.12.2016**.

Crew Weight

Declared **480kg**
Default* **571kg**
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	675.9	0.8877
Non Spin OSN	656.1	0.9146
N/S Perf. Line	15.2	0.586

Sails Limitations

Headsails **6** Spinnakers **3**

Spinnaker configuration

Symmetric: **Yes** **96.95**
Asymmetric: **Yes** **90.69**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = **8.461**

Stability

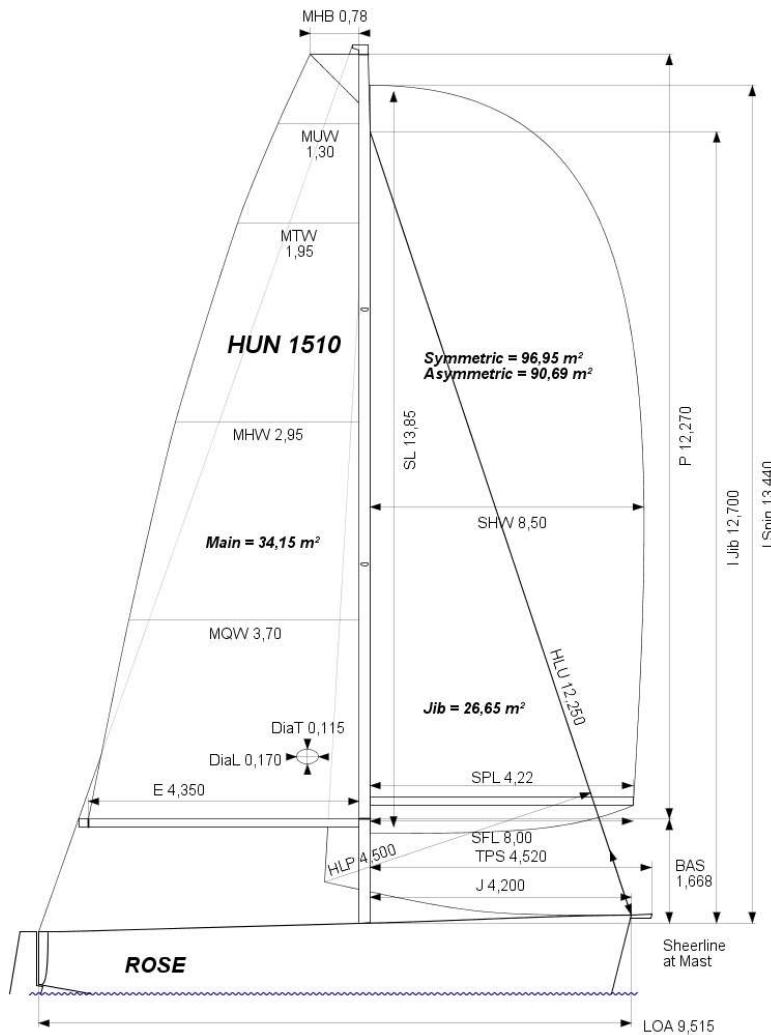
LPS (Estimated): **112.1°**
Stability Index: **111.8**
OSR Category: **N/A**

Owner

Péter Gyuricza
Móricz Zs. körtér 3/a
1114 Budapest
HUNGARY

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

Signature



BOAT		GPH	HULL			
Name	Rose	639.2	Data File	HUN1510.dxt	LOA	9.515m
Sail Nr	HUN 1510		Offset File	F244.OFF	MB	3.208m
			Displacement	4,143kg	Draft	1.941m
CLASS			IMS Division	Cruiser/Racer	Dynamic All.	0.187%
Class	First 30 JK		Fwd Accom.	Yes	Construction	Solid
Designer	Juan Yacht Design		Fiber Rigging	No	Aramid Core	No
Builder	Beneteau		Crew Arm Ex		Carbon Rudder	No
Series	01.2011				Light Stanchions	No
Age Date	08.2014		IMSL	9.086m	VCGD	0.186m
Age Allowance	0.163%		RL	7.835m	VCGM	0.163m
COMMENTS			WS	22.11m2	LSM0	8.768m
			Displacement/Length ratio	6.1463	Water Ballast	0
PROPELLER			Trim Tab	No	CENTERBOARD	
Installation	Strut	PRD	0.407	N/A		
Type	Folding 2 blades	PBW	0.110			
		PIPA	0.0033			
SCORING OPTIONS						
Time On Distance	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
	621.9			695.1		
Time On Time	0.9648			0.9711		
Performance Line	PLT	PLD		PLT	PLD	
	0.663	43.7		0.839	217.7	
Triple Number	Low	Medium	High	Low	Medium	High
	0.9195	1.1933	1.3400	0.7063	0.9679	1.1154



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2016

ORC Club Certificate Appendix

BOAT	
Name Rose	Certificate Number 039/16
Sail Nr HUN 1510	Issued On 6.9.2016.

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1119.8	924.2	810.3	754.4	731.7	721.2	714.3
52°	725.0	606.8	543.3	519.1	511.0	507.0	501.5
60°	679.2	572.9	524.6	504.0	495.9	491.7	486.9
75°	641.8	548.3	511.5	490.3	474.6	466.4	460.6
90°	633.9	534.0	503.9	490.7	471.8	452.5	431.8
110°	628.8	529.6	493.2	467.5	451.6	438.5	416.7
120°	648.0	539.5	498.6	469.0	441.9	420.7	395.2
135°	716.5	581.3	517.9	487.9	459.6	430.6	370.6
150°	858.0	682.5	573.2	516.1	488.5	462.5	409.6
Run VMG	990.8	788.1	661.9	582.3	531.3	499.8	450.2

Selected Courses							
Windward / Leeward	1055.3	856.1	736.1	668.3	631.5	610.5	582.2
Circular Random	881.3	711.2	620.1	567.3	534.9	513.5	485.4
Ocean for PCS	1081.6	835.1	696.2	611.5	556.6	518.3	464.9
Non Spinnaker	948.0	758.0	654.6	593.8	556.4	532.2	502.3

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°	42.4°	42.0°	40.3°	39.3°	39.4°	39.8°
Beat VMG	3.21	3.90	4.44	4.77	4.92	4.99	5.04
52°	4.97	5.93	6.63	6.94	7.05	7.10	7.18
60°	5.30	6.28	6.86	7.14	7.26	7.32	7.39
75°	5.61	6.57	7.04	7.34	7.59	7.72	7.82
90°	5.68	6.74	7.14	7.34	7.63	7.96	8.34
110°	5.72	6.80	7.30	7.70	7.97	8.21	8.64
120°	5.56	6.67	7.22	7.68	8.15	8.56	9.11
135°	5.02	6.19	6.95	7.38	7.83	8.36	9.71
150°	4.20	5.27	6.28	6.98	7.37	7.78	8.79
Run VMG	3.63	4.57	5.44	6.18	6.78	7.20	8.00
Gybe Angles	138.8°	149.8°	149.9°	159.3°	180.0°	180.0°	180.0°