



World Leader in Rating Technology

2018 ORC Club Certificate

Rating Office

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



Certificate

Number **032/18**
Issued On **03/08/2018**
ORC Ref **HUN10015197**
VPP Ver. **2018 1.00**
Valid until **31/12/2018**

Crew Weight

Default 571kg
Maximum **480kg**
Minimum* **360kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	676.0	0.8876
Non Spin OSN	655.0	0.9161

Sails Limitations

Headsails **5** Spinnakers **3**

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

Class Division Length

CDL = 8.512

Stability (Estimated)

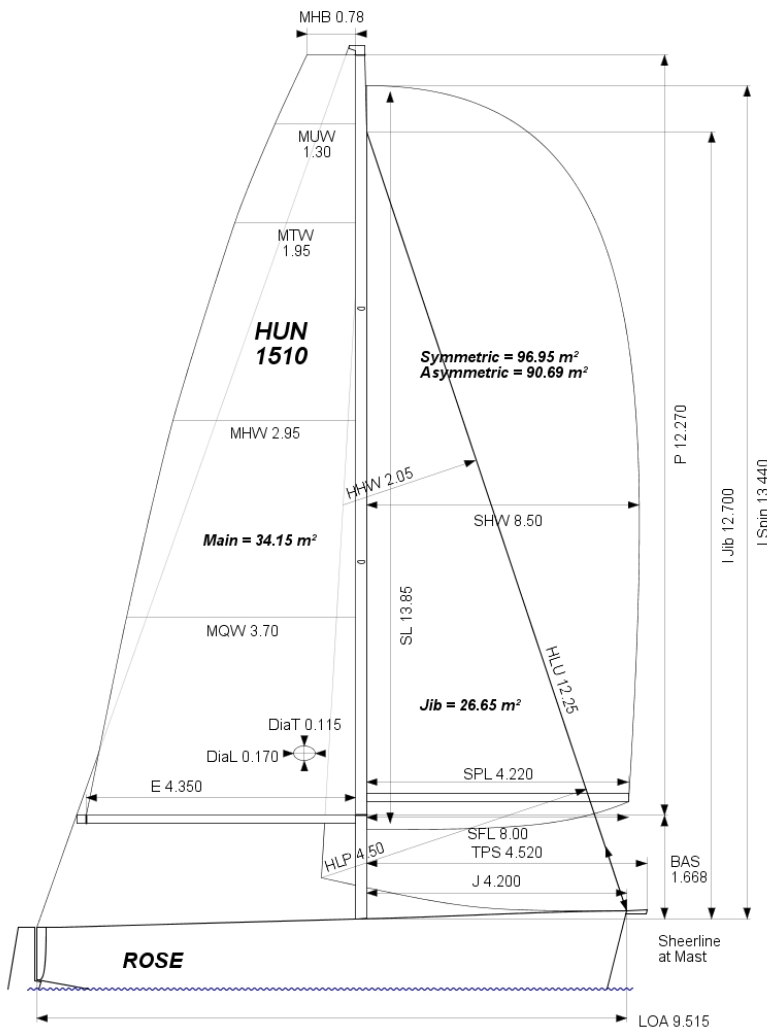
Limit Positive Stab.: **112.1°**
Stability Index: **111.8**

Owner

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

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

Signature



BOAT	GPH	HULL
Name Rose Sail Nr HUN-1510	636.5	Data File HUN1510 LOA 9.515m Offset File F244.OFF MB 3.208m Displacement 4,143kg Draft 1.941m
CLASS Class First 30 JK Designer Juan Yacht Design Builder Beneteau Series 01/2011 Age Date 08/2014 Age Allowance 0.228%		IMS Division Cruiser/Racer Dynamic All. 0.183% Fwd Accom. Yes Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS		IMSL 9.086m VCGD 0.186m Sink 16.95kg/mm RL 7.936m VCGM 0.163m WS 22.11m² LSM0 8.768m Displacement/Length ratio 6.1463
PROPELLER Installation Strut PRD 0.407 Type Folding 2 blades PBW 0.110 PIPA 0.0033		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD N/A
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	619.1	690.9
Time on Time	0.9692	0.9770
Triple Number	Low Medium High	Low Medium High
Time on Distance	725.3 564.3 507.9	936.7 691.1 609.0
Time on Time	0.9306 1.1962 1.3291	0.7206 0.9767 1.1084



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ORC Club Certificate Appendix

BOAT		Certificate Number 032/18	
Name	Rose	Issued On	03/08/2018
Sail Nr	HUN-1510		

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1090.1	899.0	792.8	749.6	735.3	731.2	726.8
52°	716.7	600.7	544.1	523.8	517.5	514.8	509.5
60°	679.7	574.2	529.0	510.3	503.2	500.0	495.4
75°	652.3	556.6	518.1	498.1	484.4	477.2	472.6
90°	634.3	537.1	506.6	494.7	476.4	459.5	440.6
110°	626.1	528.6	493.7	469.1	452.5	439.4	417.8
120°	643.2	537.4	497.0	468.3	442.4	420.6	394.6
135°	708.2	575.5	515.4	485.3	456.2	427.3	369.8
150°	846.3	676.1	568.5	513.6	486.0	459.4	407.1
Run VMG	977.2	780.7	656.4	579.1	529.5	498.4	448.2

Selected Courses							
Windward / Leeward	1033.6	839.9	724.6	664.3	632.4	614.8	587.5
Circular Random	872.5	705.9	617.5	567.2	536.8	516.9	490.4
Coastal / Long Distance	1028.0	788.2	655.4	585.0	548.0	518.0	468.8
Non Spinnaker	944.5	756.3	654.7	595.6	559.7	536.8	508.2

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	42.7°	41.2°	40.4°	39.2°	38.7°	38.7°	39.1°
Beat VMG	3.30	4.00	4.54	4.80	4.90	4.92	4.95
52°	5.02	5.99	6.62	6.87	6.96	6.99	7.07
60°	5.30	6.27	6.81	7.05	7.15	7.20	7.27
75°	5.52	6.47	6.95	7.23	7.43	7.54	7.62
90°	5.68	6.70	7.11	7.28	7.56	7.83	8.17
110°	5.75	6.81	7.29	7.67	7.96	8.19	8.62
120°	5.60	6.70	7.24	7.69	8.14	8.56	9.12
135°	5.08	6.26	6.99	7.42	7.89	8.42	9.74
150°	4.25	5.32	6.33	7.01	7.41	7.84	8.84
Run VMG	3.68	4.61	5.48	6.22	6.80	7.22	8.03
Gybe Angles	139.2°	149.5°	150.1°	159.4°	180.0°	180.0°	180.0°