



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 **018/20**
Issued On **06/07/2020**
ORC Ref **03880000M1W**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

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 **676.3 0.8872**
Non Spin OSN **656.9 0.9134**

Sails Limitations

Headsails **5** Spinnakers **4**

Spinnaker configuration

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

Class Division Length

CDL = 8.425

Stability (Estimated)

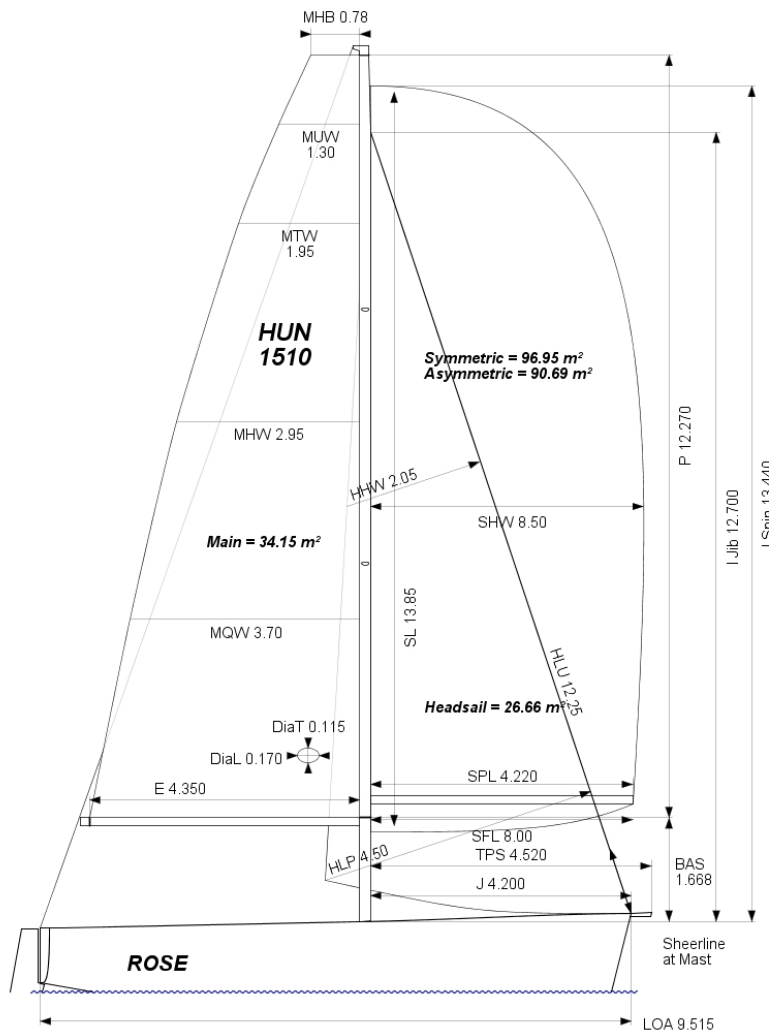
Limit Positive Stab.: **112.1°**
Stability Index: **111.8**

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 Name Rose Sail Nr HUN-1510		GPH 637.7	HULL 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 0.292%			IMS Division Cruiser/Racer Dynamic All. 0.185% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No			IMSL 9.086m VCGD 0.186m Sink 16.95kg/mm RL 7.780m VCGM 0.163m WS 22.10m² LSM0 8.768m Displacement/Length ratio 6.1463		
COMMENTS			Water Ballast Trim Tab No BLR Index 0.0000			CENTERBOARD N/A		
PROPELLER Installation Strut PRD 0.407 Type Folding 2 blades PBW 0.110 PIPA 0.0033								
SCORING OPTIONS								
	COASTAL / LONG DISTANCE				WINDWARD / LEEWARD			
Time on Distance	621.2				694.6			
Time on Time	0.9658				0.9718			
Triple Number	Low	Medium	High	Low	Medium	High		
Time on Distance	724.6	566.0	510.4	937.8	694.4	614.0		
Time on Time	0.9316	1.1926	1.3224	0.7198	0.9720	1.0994		

2020

ORC Club Certificate Appendix

BOAT	
Name Rose	Certificate Number 018/20
Sail Nr HUN-1510	Issued On 06/07/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1093.9	905.3	799.5	757.1	744.0	741.1	738.9
52°	712.8	602.4	546.1	525.7	519.7	517.3	512.4
60°	672.5	574.5	530.2	511.5	504.7	501.8	497.6
75°	641.9	554.7	518.6	498.7	485.2	478.3	474.3
90°	633.5	537.9	507.4	494.9	476.6	459.8	441.4
110°	622.7	528.9	493.9	469.2	452.7	440.7	418.0
120°	638.7	536.7	497.1	468.2	442.2	420.5	394.4
135°	704.5	573.1	514.6	484.6	455.4	426.6	368.4
150°	842.4	674.6	567.4	513.3	485.6	458.8	405.8
Run VMG	972.7	779.0	655.2	578.7	529.3	498.2	447.6
Selected Courses							
Windward / Leeward	1033.3	842.1	727.4	667.9	636.6	619.6	593.2
Circular Random	871.6	706.3	618.8	569.0	538.9	519.4	493.2
Coastal / Long Distance	1027.2	789.9	657.5	587.4	550.3	520.3	470.5
Non Spinnaker	942.7	755.9	655.1	596.7	561.4	538.9	511.2

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	43.1°	41.3°	40.5°	39.8°	39.4°	39.4°	39.8°
Beat VMG	3.29	3.98	4.50	4.76	4.84	4.86	4.87
52°	5.05	5.98	6.59	6.85	6.93	6.96	7.03
60°	5.35	6.27	6.79	7.04	7.13	7.17	7.23
75°	5.61	6.49	6.94	7.22	7.42	7.53	7.59
90°	5.68	6.69	7.10	7.27	7.55	7.83	8.15
110°	5.78	6.81	7.29	7.67	7.95	8.17	8.61
120°	5.64	6.71	7.24	7.69	8.14	8.56	9.13
135°	5.11	6.28	7.00	7.43	7.90	8.44	9.77
150°	4.27	5.34	6.34	7.01	7.41	7.85	8.87
Run VMG	3.70	4.62	5.49	6.22	6.80	7.23	8.04
Gybe Angles	139.3°	149.0°	150.0°	159.5°	180.0°	180.0°	180.0°