



World Leader in Rating Technology

2018 ORC Club Certificate

Rating Office

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



Certificate

Number **015/18**
Issued On **08/06/2018**
ORC Ref **HUN10014564**
VPP Ver. **2018 1.00**
Valid until **31/12/2018**

Crew Weight

Default 934kg
Maximum **934kg**
Minimum* **701kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **578.1 1.0379**
Non Spin OSN **565.8 1.0605**

Sails Limitations

Headsails **1** Spinnakers **4**

Spinnaker configuration

Symmetric: **Yes 236.06**
Asymmetric: **No**
Flying H/S: **Yes 86.49**
Spin. Pole: **Yes**

Class Division Length

CDL = **11.521**

Stability (Measured)

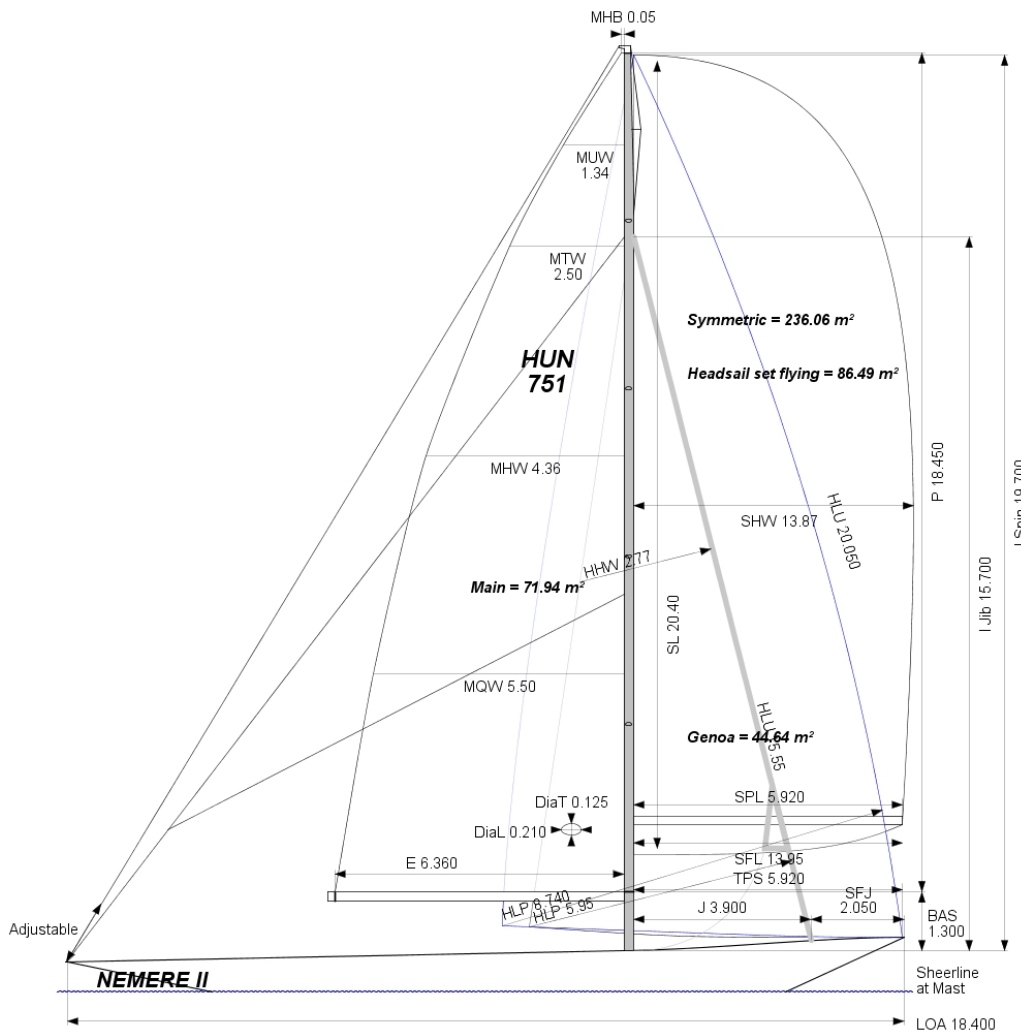
Limit Positive Stab.: **135.7°**
Stability Index: **144.5**

Owner

Robert Láng
Belgrád rakpart 12.
1056 Budapest
HUNGARY

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

Signature



BOAT		GPH		HULL		
Name Nemere II Sail Nr HUN 75-1		529.2		Data File HUN 75-1	LOA 18.400m	
				Offset File nemere2.off	MB 2.830m	
				Displacement 9,910kg	Draft 1.901m	
CLASS				IMS Division Cruiser/Racer	Dynamic All. 0.083%	
Class 75 skerry Cruiser				Fwd Accom. Yes	Construction Solid	
Designer Jenő Benacsek				Fiber Rigging No	Aramid Core No	
Builder Balatonfüred SY				Crew Arm Ex	Carbon Rudder No	
Series 01/1943					Light Stanchions No	
Age Date 01/1947				IMSL 13.211m	VCGD -0.447m	Sink 23.88kg/mm
Age Allowance 0.487%				RL 9.828m	VCGM -0.325m	WS 37.64m²
COMMENTS				LSM0 12.386m	Displacement/Length ratio 5.2153	
				Water Ballast 0	Trim Tab No	
				BLR Index 0.0000		
PROPELLER				CENTERBOARD		
Installation Shaft exposed	PRD 0.440			N/A		
Type Folding 2 blades	PBW 0.100					
	PIPA 0.0041					
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	521.9			592.8		
Time on Time	1.1497			1.1387		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	593.0	473.3	425.4	781.6	594.5	522.2
Time on Time	1.1383	1.4261	1.5866	0.8636	1.1355	1.2925



World Leader in Rating Technology

2018

ORC Club Certificate Appendix

BOAT	
Name Nemere II	Certificate Number 015/18
Sail Nr HUN 75-1	Issued On 08/06/2018

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	892.7	772.1	706.0	673.6	655.0	648.4	627.0
52°	568.2	496.7	460.0	442.9	434.2	429.1	420.1
60°	522.8	461.0	435.6	422.1	415.0	410.8	404.7
75°	478.7	429.8	412.4	402.7	393.5	387.7	381.3
90°	467.8	419.5	398.9	388.1	380.1	368.4	355.7
110°	514.7	440.4	411.9	387.5	371.2	356.5	336.1
120°	539.6	441.8	412.5	392.7	371.9	353.8	330.5
135°	598.5	464.8	414.7	387.6	364.9	349.8	322.4
150°	708.0	557.9	463.5	413.4	390.0	364.7	317.8
Run VMG	817.5	644.2	535.2	475.9	441.1	413.7	365.4
Selected Courses							
Windward / Leeward	855.1	708.2	620.6	574.7	548.1	531.1	496.2
Circular Random	715.2	583.7	514.4	474.6	449.9	432.9	408.9
Coastal / Long Distance	851.4	660.6	555.4	496.5	462.6	433.9	386.0
Non Spinnaker	811.6	648.5	560.0	507.8	475.0	453.0	423.5

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	45.4°	43.9°	43.3°	43.3°	43.0°	43.8°	42.6°
Beat VMG	4.03	4.66	5.10	5.34	5.50	5.55	5.74
52°	6.34	7.25	7.83	8.13	8.29	8.39	8.57
60°	6.89	7.81	8.26	8.53	8.68	8.76	8.89
75°	7.52	8.38	8.73	8.94	9.15	9.29	9.44
90°	7.70	8.58	9.03	9.28	9.47	9.77	10.12
110°	6.99	8.18	8.74	9.29	9.70	10.10	10.71
120°	6.67	8.15	8.73	9.17	9.68	10.17	10.89
135°	6.01	7.75	8.68	9.29	9.87	10.29	11.16
150°	5.08	6.45	7.77	8.71	9.23	9.87	11.33
Run VMG	4.40	5.59	6.73	7.56	8.16	8.70	9.85
Gybe Angles	143.5°	140.3°	146.3°	153.4°	160.5°	180.0°	150.6°