



ORC

Offshore Racing Congress
World leader in rating technology

2019
ORC Club
Certificate

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



Certificate

Number **012/19**
Issued On **26/05/2019**
ORC Ref **HUN10025296**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight

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

Special Scoring

	ToD	ToT
Double H.GPH	540.4	1.1103
Double H.OSN	533.5	1.1247
Non Spin GPH	575.9	1.0418
Non Spin OSN	563.6	1.0645

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 = 11.618

Stability (Measured)

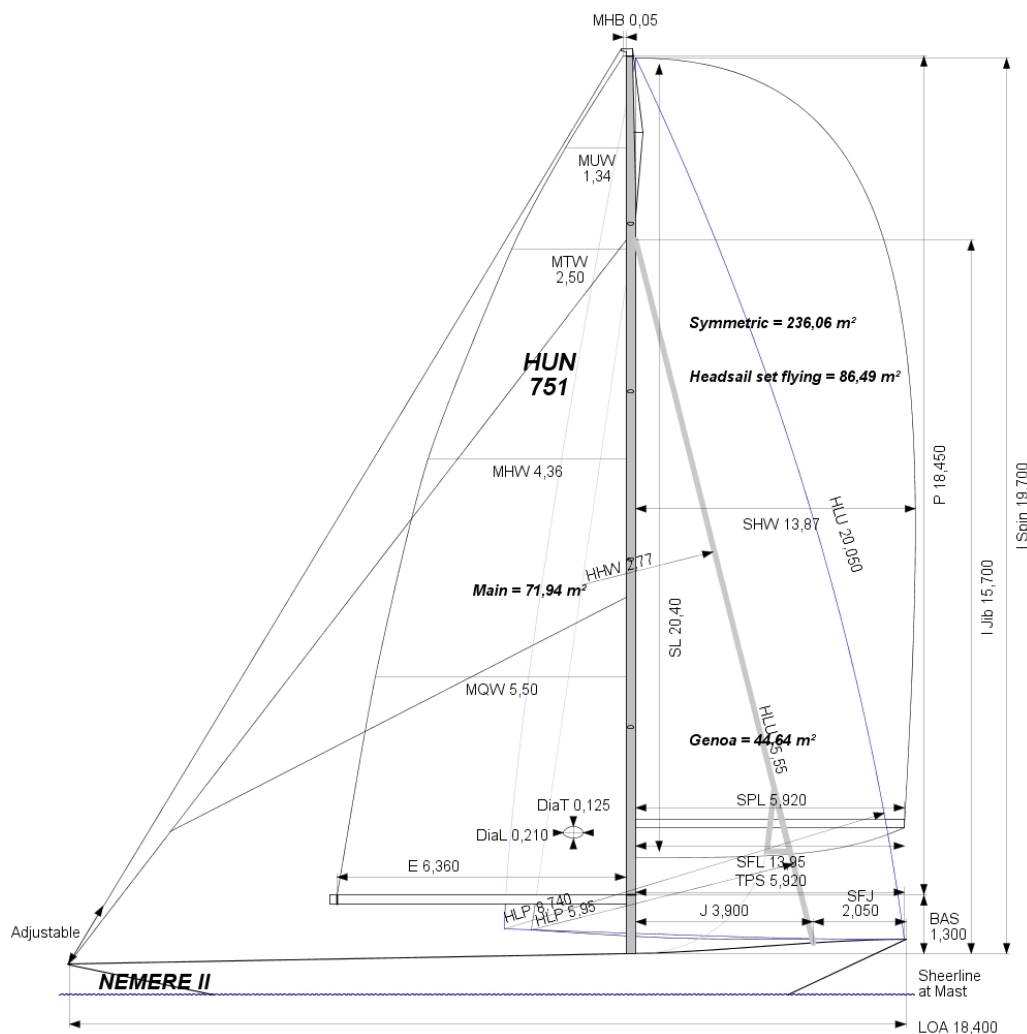
Limit Positive Stab.: **135.7°**
Stability Index: **144.5**

Owner

Robert Láng
Belgrád rakpart 12.
1056 Budapest
HUNGARY

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

Signature



BOAT Name Nemere II Sail Nr HUN 75-1	GPH 527.4	HULL Data File HUN 75-1 LOA 18.400m Offset File nemere2.off MB 2.830m Displacement 9 910kg Draft 1.901m
CLASS Class 75 skerry Cruiser Designer Jenő Benacsek Builder Balatonfüred SY Series 01/1943 Age Date 01/1947 Age Allowance 0.487%		IMS Division Cruiser/Racer Dynamic All. 0.082% Fwd Accom. Yes Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS		IMSL 13.211m VCGD -0.447m Sink 23.88kg/mm RL 10.022m VCGM -0.325m WS 37.64m² LSM0 12.386m Displacement/Length ratio 5.2153
PROPELLER Installation Shaft exposed PRD 0.440 Type Folding 2 blades PBW 0.100 PIPA 0.0041		CENTERBOARD N/A

SCORING OPTIONS	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Time on Distance	519.6			588.9	
Time on Time	1.1547			1.1463		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	591.6	471.7	422.8	779.2	591.1	516.9
Time on Time	1.1410	1.4310	1.5965	0.8663	1.1419	1.3059

2019

ORC Club Certificate Appendix

BOAT	
Name Nemere II	Certificate Number 012/19
Sail Nr HUN 75-1	Issued On 26/05/2019

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	891.1	768.9	701.3	667.0	647.0	637.9	617.0
52°	567.6	495.6	458.5	441.1	432.1	426.8	417.9
60°	522.4	460.5	434.9	421.2	414.0	409.6	403.4
75°	478.6	429.6	413.7	402.4	393.1	387.3	380.8
90°	467.8	419.5	398.9	389.0	380.3	368.4	355.7
110°	511.5	440.1	411.9	387.5	371.9	356.5	336.2
120°	539.7	441.8	412.5	392.7	371.9	353.8	330.5
135°	596.0	464.5	414.7	387.6	364.9	349.8	323.1
150°	705.8	555.9	462.5	413.0	389.8	364.6	314.2
Run VMG	814.9	641.9	534.0	475.5	441.1	413.7	362.8
Selected Courses							
Windward / Leeward	853.0	705.4	617.7	571.2	544.0	525.8	489.9
Circular Random	713.5	582.1	512.7	472.7	447.7	430.4	405.9
Coastal / Long Distance	849.2	658.2	553.2	494.4	460.4	431.6	384.0
Non Spinnaker	808.4	646.1	557.9	505.7	472.8	450.6	421.1

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°	43.4°	43.1°	42.8°	42.6°	41.7°	41.7°
Beat VMG	4.04	4.68	5.13	5.40	5.56	5.64	5.84
52°	6.34	7.26	7.85	8.16	8.33	8.43	8.62
60°	6.89	7.82	8.28	8.55	8.70	8.79	8.92
75°	7.52	8.38	8.70	8.95	9.16	9.30	9.45
90°	7.70	8.58	9.03	9.26	9.47	9.77	10.12
110°	7.04	8.18	8.74	9.29	9.68	10.10	10.71
120°	6.67	8.15	8.73	9.17	9.68	10.17	10.89
135°	6.04	7.75	8.68	9.29	9.87	10.29	11.14
150°	5.10	6.48	7.78	8.72	9.23	9.87	11.46
Run VMG	4.42	5.61	6.74	7.57	8.16	8.70	9.92
Gybe Angles	143.3°	140.5°	146.4°	153.3°	160.4°	180.0°	149.8°