



World Leader in Rating Technology

2016 ORC Club Certificate

Rating Office

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



Certificate

Number **017/16**
Issued On **4.5.2016.**
ORC Ref **HUN00062835**
VPP Ver. **2016 1.01**
Valid until **31.12.2016.**

Crew Weight

Declared **510kg**
Default* **554kg**
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin	GPH 656.6	0.9138
Non Spin	OSN 638.9	0.9391
N/S Perf. Line	26.6	0.619

Sails Limitations

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

Spinnaker configuration

Symmetric: **Yes** **78.29**
Asymmetric: **No**
Flying H/S: **Yes** **39.85**
Spin. Pole: **Yes**

Class Division Length

CDL = **8.629**

Stability

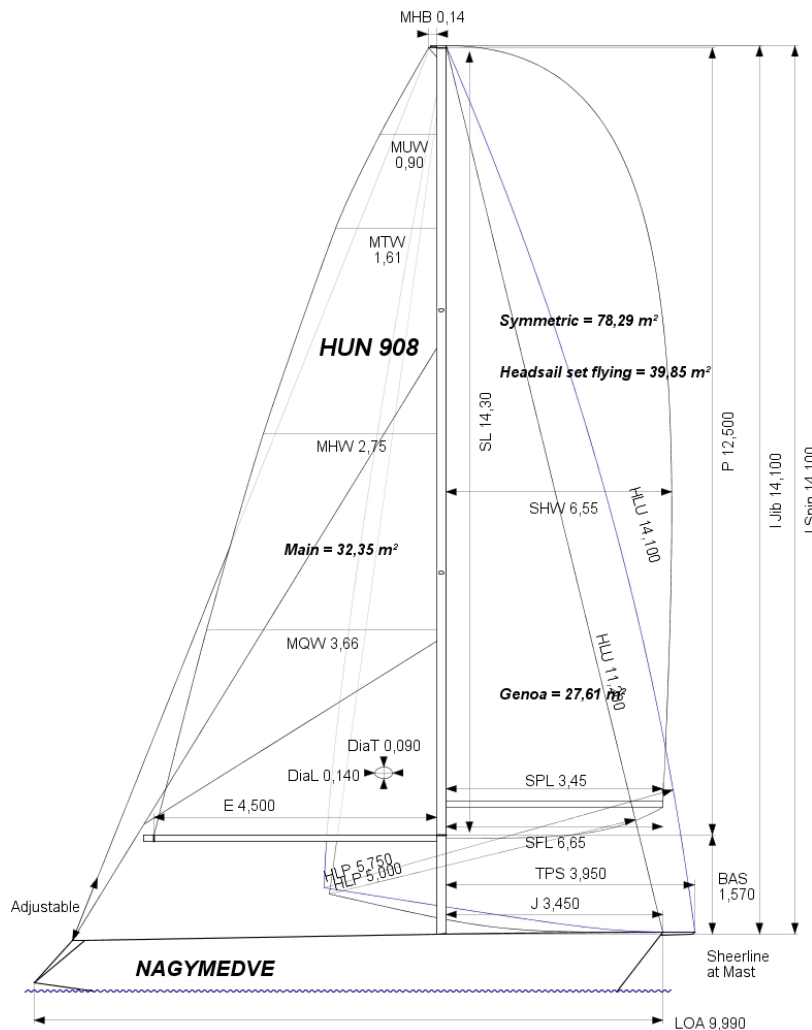
LPS (Estimated): **113.1°**
Stability Index: **112.7**
OSR Category: **N/A**

Owner

Sándor Ember
Zúzmará köz 3.
1037 Budapest
HUNGARY

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

Signature



BOAT		GPH		HULL		
Name	Nagymedve			Data File	HUN908.dxt	
Sail Nr	HUN 908			Offset File	h012.off	
				Displacement	3,375kg	
				LOA	9.990m	
				MB	2.992m	
				Draft	1.818m	
CLASS				IMS Division	Cruiser/Racer	
Class	X-99 mod			Dynamic All.	0.000%	
Designer	Jeppesen			Fwd Accom.	Yes	
Builder	X-Yachts			Construction	Solid	
Series	01.1985			Fiber Rigging	No	
Age Date	01.1987			Aramid Core	No	
Age Allowance	0.487%			Carbon Rudder	No	
COMMENTS				Light Stanchions	No	
				IMSL	8.762m	
				VCGD	-0.028m	
				Sink	14.08kg/mm	
				RL	8.495m	
				VCGM	-0.006m	
				WS	19.13m2	
				LSM0	8.585m	
				Displacement/Length ratio	5.3340	
				Water Ballast	0	
				Trim Tab	No	
PROPELLER		CENTERBOARD				
Installation	Strut	PRD	0.385			
Type	Folding 2 blades	PBW	0.080			
		PIPA	0.0030			
				N/A		
SCORING OPTIONS						
	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
Time On Distance	608.2			678.0		
Time On Time	0.9866			0.9956		
Performance Line	PLT	PLD		PLT	PLD	
	0.701	57.4		0.928	263.2	
Triple Number	Low	Medium	High	Low	Medium	High
	0.9624	1.2165	1.3633	0.7382	0.9926	1.1357



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ORC Club Certificate Appendix

BOAT	
Name	Nagymedve
Certificate Number	017/16
Sail Nr	HUN 908
Issued On	4.5.2016.

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1033.5	860.1	763.0	724.5	705.4	695.0	689.5
52°	664.8	562.6	529.5	515.1	507.9	503.8	499.0
60°	616.0	536.6	514.6	500.5	492.4	487.4	483.3
75°	571.1	517.3	494.1	479.9	467.2	458.2	450.4
90°	565.6	517.0	492.2	469.4	450.6	439.6	420.9
110°	626.5	533.4	497.0	471.9	449.9	424.1	396.6
120°	649.6	543.3	503.9	472.4	442.3	425.1	382.2
135°	721.1	585.1	524.8	494.0	464.0	433.6	369.5
150°	850.2	677.1	574.5	523.4	494.7	466.7	411.0
Run VMG	981.8	781.9	661.5	589.1	536.6	505.1	452.2

Selected Courses							
Windward / Leeward	1007.6	821.0	712.2	656.8	621.0	600.0	570.9
Circular Random	845.3	687.8	604.2	555.8	525.4	504.5	475.0
Ocean for PCS	1043.8	809.9	678.9	599.3	547.3	510.2	455.6
Non Spinnaker	910.1	732.6	636.8	580.6	545.5	522.0	491.8

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	44.3°	41.9°	40.3°	38.6°	37.5°	37.0°	37.0°
Beat VMG	3.48	4.19	4.72	4.97	5.10	5.18	5.22
52°	5.42	6.40	6.80	6.99	7.09	7.15	7.21
60°	5.84	6.71	7.00	7.19	7.31	7.39	7.45
75°	6.30	6.96	7.29	7.50	7.71	7.86	7.99
90°	6.36	6.96	7.31	7.67	7.99	8.19	8.55
110°	5.75	6.75	7.24	7.63	8.00	8.49	9.08
120°	5.54	6.63	7.14	7.62	8.14	8.47	9.42
135°	4.99	6.15	6.86	7.29	7.76	8.30	9.74
150°	4.23	5.32	6.27	6.88	7.28	7.71	8.76
Run VMG	3.67	4.60	5.44	6.11	6.71	7.13	7.96
Gybe Angles	144.8°	148.7°	151.9°	160.4°	180.0°	180.0°	180.0°