



World Leader in Rating Technology

2016
ORC Club
Certificate

Rating Office

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



Certificate

Number **003/16**
Issued On **8.4.2016.**
ORC Ref **HUN00062350**
VPP Ver. **2016 1.01**
Valid until **31.12.2016.**

Crew Weight

Declared **400kg**
Default* **506kg**
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **668.6 0.8974**
Non Spin OSN **653.9 0.9176**
N/S Perf. Line **40.1 0.625**

Sails Limitations

Headsails **1** Spinnakers **3**

Spinnaker configuration

Symmetric: **Yes 77.54**
Asymmetric: **No**
Flying H/S: **Yes 79.26**
Spin. Pole: **Yes**

Class Division Length

CDL = **7.926**

Stability

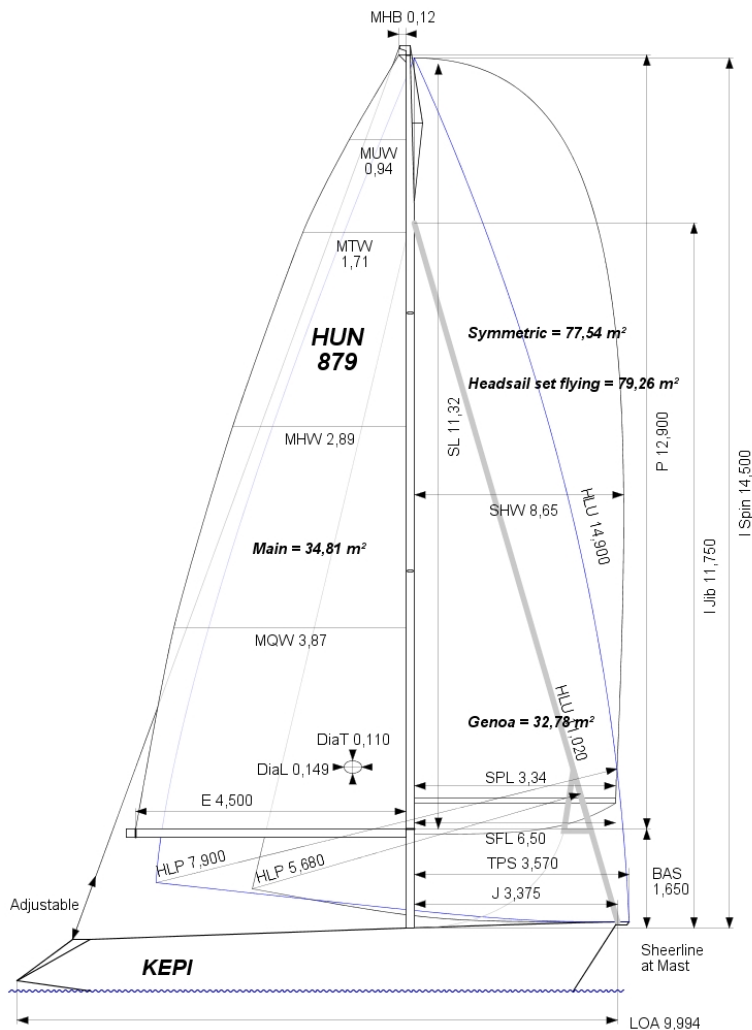
LPS (Estimated): **116.8°**
Stability Index: **114.2**
OSR Category: **N/A**

Owner

Tibor Czédula
Mélyu. 11.
8360 Keszthely
HUNGARY

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

Signature



BOAT		GPH		HULL			
Name Kepi Sail Nr HUN-879		638.7		Data File HUN879.dxt	LOA 9.994m		
				Offset File H099_SD.off	MB 3.346m		
				Displacement 3,950kg	Draft 1.524m		
CLASS				IMS Division Cruiser/Racer	Dynamic All. 0.000%		
Class X-102 MK I mod.				Fwd Accom. Yes	Construction Cored		
Designer Niels Jeppesen				Fiber Rigging No	Aramid Core No		
Builder Nordso Varft				Crew Arm Ex	Carbon Rudder No		
Series 01.1981, CIN 45					Light Stanchions No		
Age Date 05.1981				IMSL 8.373m	VCGD -0.094m	Sink 14.60kg/mm	
Age Allowance 0.487%				RL 7.478m	VCGM -0.025m	WS 19.24m2	
COMMENTS				LSM0 8.059m	Displacement/Length ratio 7.5466		
				Water Ballast 0	Trim Tab No		
PROPELLER				CENTERBOARD			
Installation Shaft non exposed	PRD 0.440			N/A			
Type Folding 2 blades	PBW 0.110						
	PIPA 0.0006						
SCORING OPTIONS							
	OFFSHORE			INSHORE			
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD			
Time On Distance	629.6			705.4			
Time On Time	0.9529			0.9568			
Performance Line	PLT 0.689	PLD 65.9		PLT 0.915	PLD 278.9		
Triple Number	Low 0.9471	Medium 1.1786	High 1.3069	Low 0.7169	Medium 0.9529	High 1.0850	



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ORC Club Certificate Appendix

BOAT	
Name Kepi	Certificate Number 003/16
Sail Nr HUN-879	Issued On 8.4.2016.

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1081.2	911.2	814.9	772.2	750.9	739.1	739.2
52°	697.5	591.1	544.5	529.1	521.6	517.5	514.9
60°	646.0	558.1	527.3	512.9	504.9	500.0	496.0
75°	571.9	525.0	508.9	494.4	479.7	471.1	463.1
90°	552.4	512.4	492.0	478.9	468.7	455.9	438.0
110°	571.9	525.0	499.5	472.8	450.6	434.3	418.3
120°	612.7	542.0	510.6	484.4	457.5	434.7	408.6
135°	719.0	593.1	534.5	505.2	478.5	452.6	404.8
150°	852.0	684.1	583.9	532.1	504.9	480.0	432.9
Run VMG	983.8	789.9	671.0	596.5	542.7	512.6	464.6

Selected Courses							
Windward / Leeward	1032.5	850.6	743.0	684.4	646.8	625.9	601.9
Circular Random	859.0	703.4	621.3	574.1	544.9	525.7	501.3
Ocean for PCS	1073.0	835.5	702.4	621.2	568.2	530.9	478.1
Non Spinnaker	917.2	742.6	649.1	594.7	561.1	539.1	512.5

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	44.4°	43.9°	43.0°	41.7°	40.8°	40.3°	40.7°
Beat VMG	3.33	3.95	4.42	4.66	4.79	4.87	4.87
52°	5.16	6.09	6.61	6.80	6.90	6.96	6.99
60°	5.57	6.45	6.83	7.02	7.13	7.20	7.26
75°	6.29	6.86	7.07	7.28	7.50	7.64	7.77
90°	6.52	7.03	7.32	7.52	7.68	7.90	8.22
110°	6.29	6.86	7.21	7.61	7.99	8.29	8.61
120°	5.88	6.64	7.05	7.43	7.87	8.28	8.81
135°	5.01	6.07	6.74	7.13	7.52	7.95	8.89
150°	4.23	5.26	6.17	6.77	7.13	7.50	8.32
Run VMG	3.66	4.56	5.36	6.03	6.63	7.02	7.75
Gybe Angles	145.9°	150.1°	152.8°	162.1°	180.0°	180.0°	180.0°