



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 **006/20**
Issued On **02/06/2020**
ORC Ref **03880000JJI**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 722kg
Maximum **350kg**
Minimum* **263kg**
**when applied by the NoR and SI*
Non Manual Pwr

Special Scoring

ToD ToT
Non Spin GPH **656.5 0.9139**
Non Spin OSN **637.7 0.9409**

Sails Limitations

Headsails **1** Spinnakers **4**
Woven Polyester

Spinnaker configuration

Symmetric: **Yes 87.73**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = 9.417

Stability (Measured)

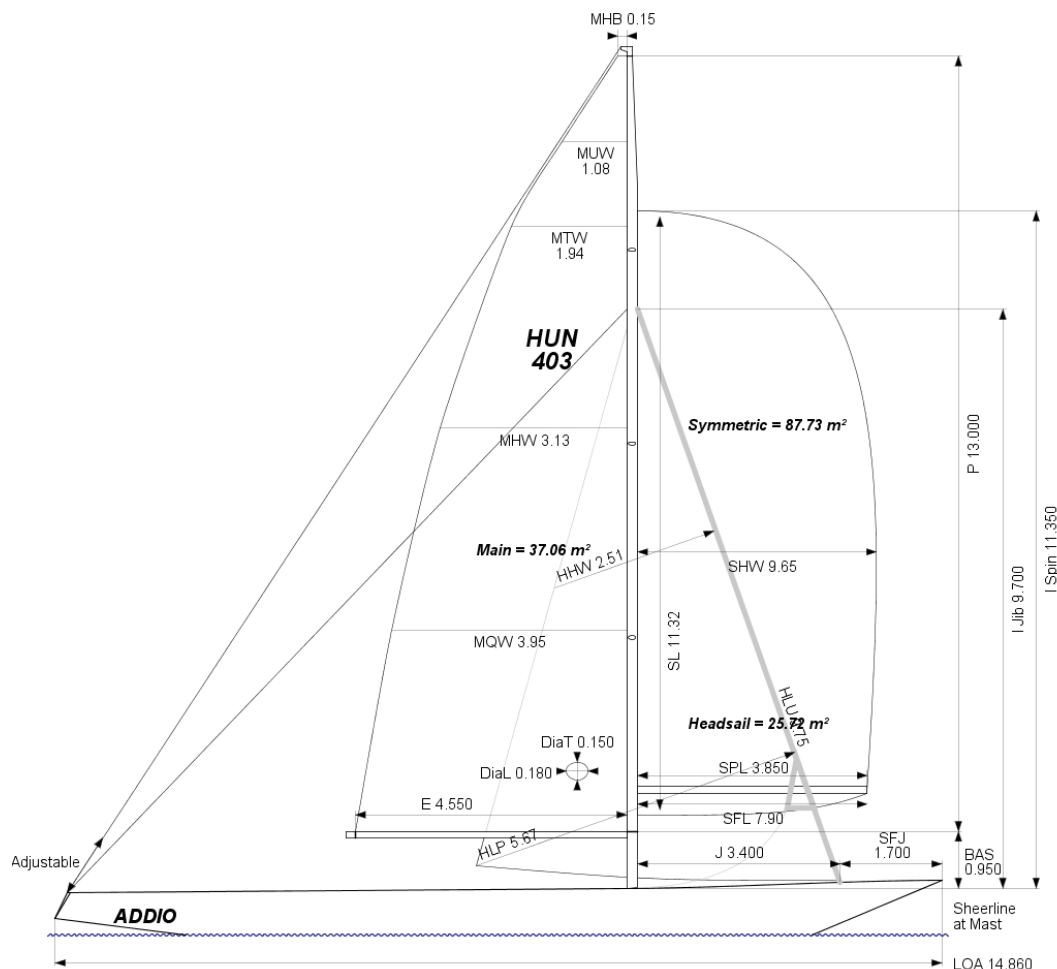
Limit Positive Stab.: **129.7°**
Stability Index: **135.7**

Owner

Ervin Vásárhelyi
HUNGARY

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

Signature



BOAT		GPH		HULL					
Name Addio		617.5		Data File HUN 40-3	LOA 14.860m				
Sail Nr HUN 40-3				Offset File ADDIO2.OFF	MB 2.312m				
				Displacement 4,599kg	Draft 1.628m				
CLASS				IMS Division Cruiser/Racer	Dynamic All. 0.291%				
Class 40 Skerry Cruiser				Plan Review	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 05/1943				IMSL 11.320m	VCGD -0.390m	Sink 16.20kg/mm			
Age Allowance 0.487%				RL 7.539m	VCGM -0.298m	WS 25.51m²			
COMMENTS				LSM0 10.336m	Displacement/Length ratio				
				Water Ballast	Trim Tab No				
				BLR Index 0.0000					
PROPELLER				CENTERBOARD					
Installation Strut	PRD 0.390			N/A					
Type Folding 3 blades	PBW 0.100								
	PIPA 0.0030								
SCORING OPTIONS									
	COASTAL / LONG DISTANCE				WINDWARD / LEEWARD				
Time on Distance	599.3				685.7				
Time on Time	1.0012				0.9844				
Triple Number	Low	Medium	High	Low	Medium	High			
Time on Distance	729.2	538.8	480.2	961.1	685.8	598.4			
Time on Time	0.9257	1.2528	1.4057	0.7023	0.9843	1.1280			

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ORC Club Certificate Appendix

BOAT	
Name Addio	Certificate Number 006/20
Sail Nr HUN 40-3	Issued On 02/06/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1136.0	905.4	806.1	769.0	753.6	748.5	749.2
52°	724.6	584.3	521.1	499.4	489.9	485.4	481.8
60°	672.8	545.7	488.8	470.5	462.6	458.7	455.4
75°	631.6	514.9	464.3	444.7	435.3	429.7	425.2
90°	636.5	516.4	460.2	435.6	418.4	405.3	393.8
110°	622.6	496.8	449.6	432.4	416.2	402.1	374.2
120°	642.1	505.5	447.5	419.6	401.9	387.1	361.1
135°	737.0	564.3	471.6	433.0	401.7	373.6	331.6
150°	880.9	680.6	548.7	473.8	436.8	407.3	352.9
Run VMG	1017.1	785.8	633.6	546.1	496.0	458.7	402.0
Selected Courses							
Windward / Leeward	1076.6	845.6	719.8	657.6	624.8	603.6	575.6
Circular Random	871.4	692.6	596.8	542.3	509.9	489.4	463.3
Coastal / Long Distance	1070.7	788.9	639.4	560.8	519.5	486.6	433.3
Non Spinnaker	941.1	742.5	634.0	570.4	531.4	506.3	476.4

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°	43.9°	43.5°	43.5°	43.9°	45.0°
Beat VMG	3.17	3.98	4.47	4.68	4.78	4.81	4.81
52°	4.97	6.16	6.91	7.21	7.35	7.42	7.47
60°	5.35	6.60	7.36	7.65	7.78	7.85	7.91
75°	5.70	6.99	7.75	8.09	8.27	8.38	8.47
90°	5.66	6.97	7.82	8.26	8.60	8.88	9.14
110°	5.78	7.25	8.01	8.33	8.65	8.95	9.62
120°	5.61	7.12	8.04	8.58	8.96	9.30	9.97
135°	4.88	6.38	7.63	8.31	8.96	9.64	10.86
150°	4.09	5.29	6.56	7.60	8.24	8.84	10.20
Run VMG	3.54	4.58	5.68	6.59	7.26	7.85	8.95
Gybe Angles	143.0°	145.0°	142.5°	152.0°	158.0°	174.0°	180.0°