



World Leader in Rating Technology

2016 ORC Club Certificate

Rating Office

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



Certificate

Number **035/16**
Issued On **7.7.2016.**
ORC Ref **HUN00070066**
VPP Ver. **2016 1.01**
Valid until **31.12.2016.**

Crew Weight

Declared **647kg**
Default* **647kg**
Non Manual Pwr

Special Scoring

	ToD	ToT
Non Spin	GPH 682.3	0.8794
Non Spin	OSN 661.5	0.9070
N/S Perf.	Line -26.1	0.526

Sails Limitations

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

Spinnaker configuration
Symmetric: **Yes** **73.16**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = **8.695**

Stability

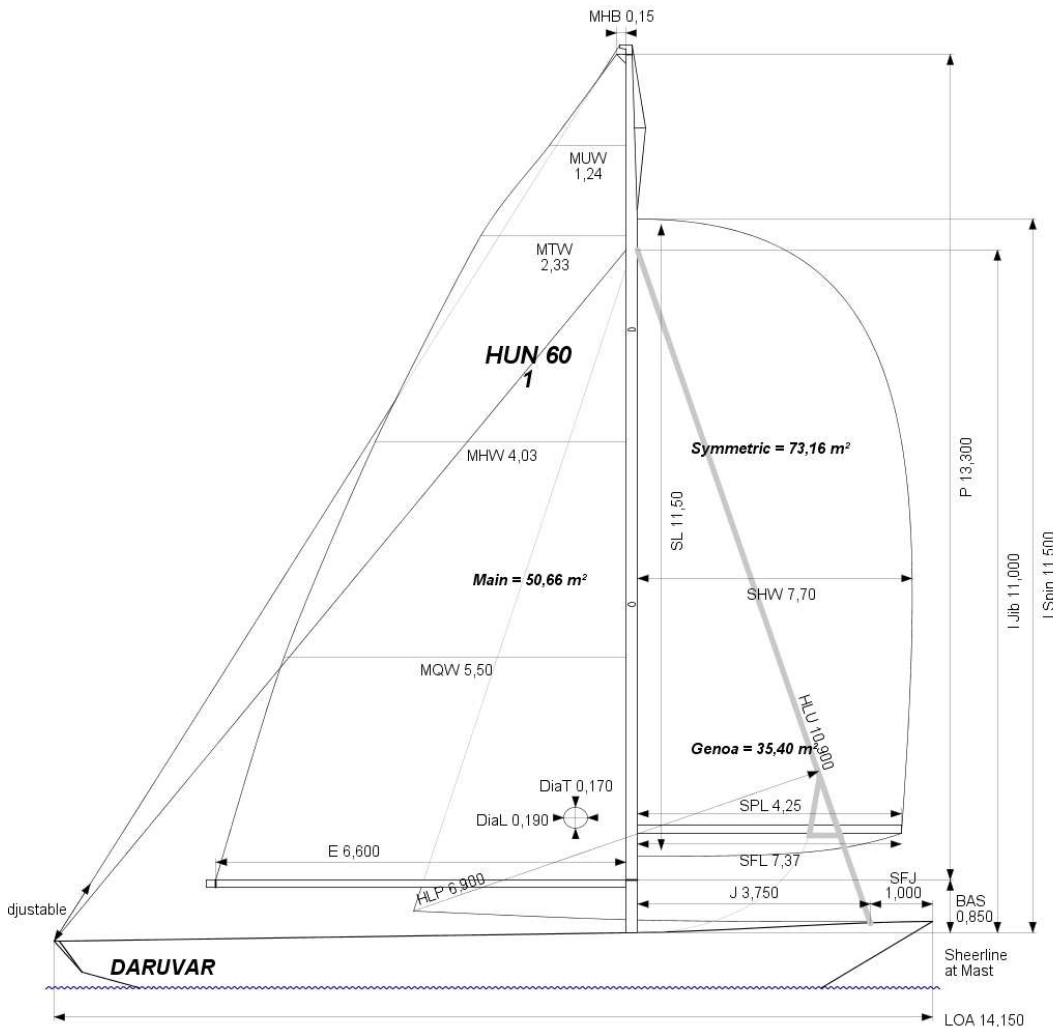
LPS (Estimated): **143.3°**
Stability Index: **150.7**
OSR Category: **N/A**

Owner

Rudolf Barinkay
Budenz út 3/
1021 Budapest
HUNGARY

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

Signature



BOAT	GPH	HULL
Name Daruvar Sail Nr HUN 60-1	664.4	Data File HUN 60-1.dxt LOA 14.150m Offset File DARUVAR.OFF MB 3.008m Displacement 8,826kg Draft 1.782m
CLASS Class 60-er Seefahrtkreuz Designer Jenő Benacsek Builder Balatonfüred SY Series 01.1937 Age Date 01.1937 Age Allowance 0.487%		IMS Division Cruiser/Racer Dynamic All. 0.478% Fwd Accom. Yes Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS		IMSL 10.300m VCGD -0.600m Sink 19.15kg/mm RL 7.089m VCGM -0.455m WS 30.67m2 LSM0 9.571m Displacement/Length ratio 10.0668 Water Ballast 0 Trim Tab No
PROPELLER Installation In Aperture PRD 0.350 Type Solid 2 blades PBW 0.100 PIPA 0.0086		CENTERBOARD N/A

SCORING OPTIONS	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
	Time On Distance	644.7			728.8	
Time On Time	0.9306			0.9262		
Performance Line	PLT	PLD		PLT	PLD	
	0.551	-17.9		0.626	84.6	
Triple Number	Low	Medium	High	Low	Medium	High
	0.8481	1.1604	1.3662	0.6411	0.9090	1.1223



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ORC Club Certificate Appendix

BOAT	
Name Daruvar	Certificate Number 035/16
Sail Nr HUN 60-1	Issued On 7.7.2016.

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1226.1	1001.6	880.0	793.1	740.6	709.6	676.4
52°	773.7	641.3	558.8	508.9	485.5	473.1	460.9
60°	713.2	594.3	519.2	484.3	465.6	454.3	443.3
75°	662.9	550.8	493.0	467.7	451.2	436.6	418.5
90°	659.0	547.6	491.4	463.0	449.8	436.8	408.5
110°	687.3	559.4	491.0	462.3	442.6	424.1	403.5
120°	713.3	580.6	502.0	468.6	448.6	430.6	396.6
135°	804.8	650.0	545.0	490.6	464.3	445.6	411.4
150°	966.4	751.4	626.9	540.7	491.0	465.8	431.3
Run VMG	1115.9	867.7	723.7	620.9	553.5	503.8	455.2
Selected Courses							
Windward / Leeward	1171.0	934.6	801.9	707.0	647.1	606.7	565.8
Circular Random	945.3	751.3	643.3	577.5	535.3	507.0	472.1
Ocean for PCS	1177.0	892.4	728.4	625.9	558.4	511.6	448.9
Non Spinnaker	975.8	773.4	660.3	591.1	546.3	516.1	478.2

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	46.7°	45.1°	45.5°	46.0°	44.4°	43.2°	41.6°
Beat VMG	2.94	3.59	4.09	4.54	4.86	5.07	5.32
52°	4.65	5.61	6.44	7.07	7.42	7.61	7.81
60°	5.05	6.06	6.93	7.43	7.73	7.92	8.12
75°	5.43	6.54	7.30	7.70	7.98	8.24	8.60
90°	5.46	6.57	7.33	7.77	8.00	8.24	8.81
110°	5.24	6.44	7.33	7.79	8.13	8.49	8.92
120°	5.05	6.20	7.17	7.68	8.03	8.36	9.08
135°	4.47	5.54	6.61	7.34	7.75	8.08	8.75
150°	3.73	4.79	5.74	6.66	7.33	7.73	8.35
Run VMG	3.23	4.15	4.97	5.80	6.50	7.15	7.91
Gybe Angles	146.7°	151.2°	151.5°	153.6°	162.8°	180.0°	180.0°