



World Leader in Rating Technology

2016 ORC Club Certificate

Rating Office

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



Certificate

Number **026/16**
Issued On **11.5.2016.**
ORC Ref **HUN00062945**
VPP Ver. **2016 1.01**
Valid until **31.12.2016.**

Crew Weight

Declared **750kg**
Default* **953kg**
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **589.3 1.0182**
Non Spin OSN **577.9 1.0382**
N/S Perf. Line **-15.1 0.619**

Sails Limitations

Headsails 1 Spinnakers 4

Spinnaker configuration

Symmetric: **Yes 265.86**
Asymmetric: **Yes 234.45**
Flying H/S: **Yes 87.92**
Spin. Pole: **Yes**

Class Division Length

CDL = **11.160**

Stability

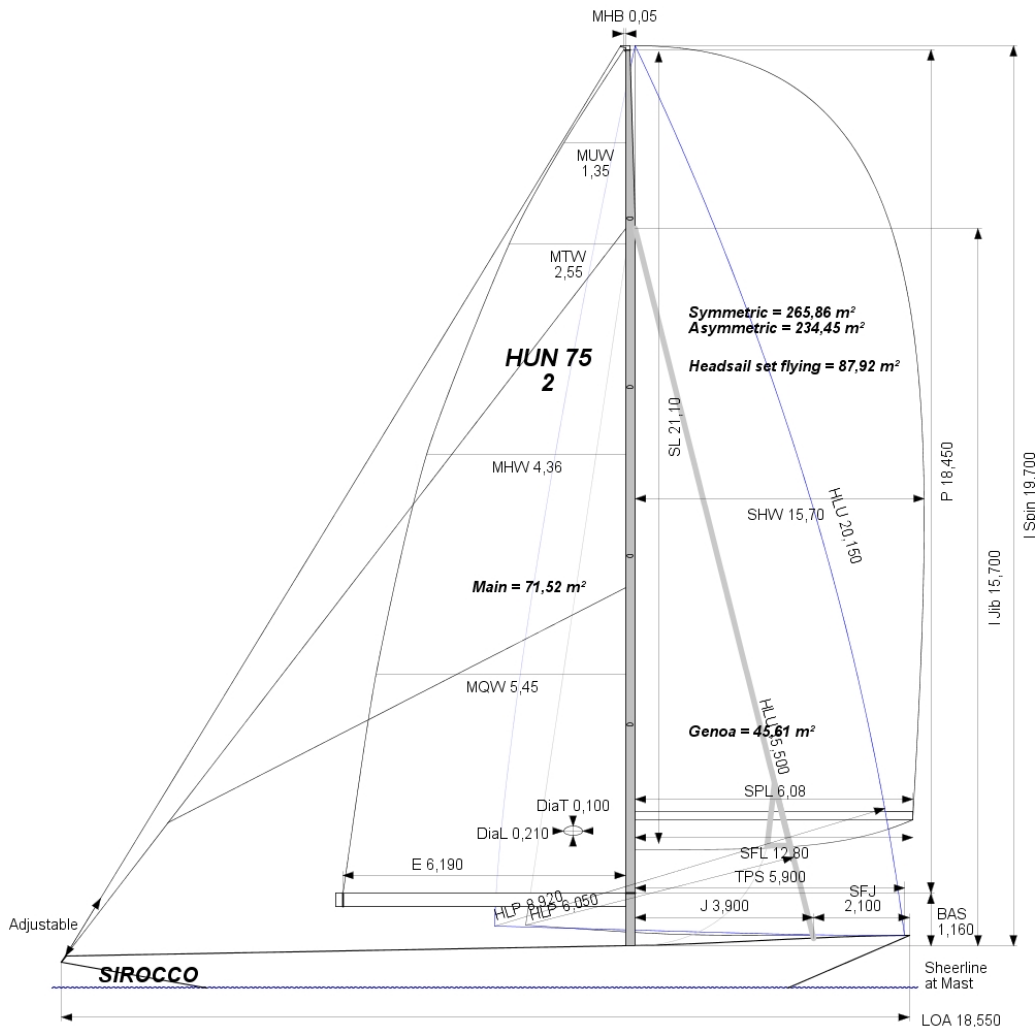
LPS (Estimated): **126.9°**
Stability Index: **135.8**
OSR Category: **N/A**

Owner

Dimenzió Ingatlan Kft.
Fehérvári út 84/A
1119 Budapest
HUNGARY

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

Signature



BOAT		GPH		HULL			
Name Sirocco Sail Nr HUN 75-2		541.6		Data File HUN75-2.dxt	LOA 18.550m		
				Offset File sirocco.off	MB 2.914m		
				Displacement 9,992kg	Draft 1.863m		
CLASS				IMS Division Cruiser/Racer	Dynamic All. 0.094%		
Class 75 Skerry Cruiser				Fwd Accom. Yes	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 01.1947				IMSL 13.337m	VCGD -0.100m	Sink 24.16kg/mm	
Age Allowance 0.487%				RL 8.981m	VCGM -0.203m	WS 37.74m2	
COMMENTS				LSM0 12.558m	Displacement/Length ratio 5.0453		
				Water Ballast 0 Trim Tab No			
PROPELLER				CENTERBOARD			
Installation Shaft exposed	PRD 0.440			N/A			
Type Folding 2 blades	PBW 0.100						
	PIPA 0.0087						
SCORING OPTIONS							
	OFFSHORE			INSHORE			
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD			
Time On Distance	533.0			606.6			
Time On Time	1.1257			1.1127			
Performance Line	PLT	PLD		PLT	PLD		
	0.762	34.8		1.033	259.3		
Triple Number	Low	Medium	High	Low	Medium	High	
	1.0996	1.4002	1.5722	0.8257	1.1059	1.2795	



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ORC Club Certificate Appendix

BOAT	
Name Sirocco	Certificate Number 026/16
Sail Nr HUN 75-2	Issued On 11.5.2016.

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	990.0	825.3	747.4	704.6	677.2	660.5	640.5
52°	619.3	524.0	477.0	453.8	440.7	434.1	422.2
60°	559.0	481.7	443.0	426.7	417.9	412.7	403.2
75°	494.9	435.6	415.0	401.6	393.9	388.9	382.6
90°	473.2	418.2	401.1	390.9	377.4	369.3	360.6
110°	508.7	436.1	409.0	388.7	368.5	357.5	341.5
120°	536.3	441.5	415.0	393.8	373.5	362.3	332.8
135°	596.2	463.2	412.2	389.9	370.0	355.2	326.4
150°	704.9	554.9	461.4	412.2	387.6	361.9	308.6
Run VMG	813.9	640.7	532.8	473.7	439.1	412.2	356.3

Selected Courses							
Windward / Leeward	902.0	733.0	640.1	589.1	558.2	536.3	498.4
Circular Random	740.3	600.3	525.9	482.9	456.0	437.5	412.0
Ocean for PCS	924.6	714.9	596.7	523.7	475.0	439.4	386.5
Non Spinnaker	830.7	662.6	570.7	515.9	481.2	457.8	427.3

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	47.6°	45.7°	45.0°	44.5°	44.3°	43.7°	43.7°
Beat VMG	3.64	4.36	4.82	5.11	5.32	5.45	5.62
52°	5.81	6.87	7.55	7.93	8.17	8.29	8.53
60°	6.44	7.47	8.13	8.44	8.61	8.72	8.93
75°	7.27	8.27	8.67	8.96	9.14	9.26	9.41
90°	7.61	8.61	8.98	9.21	9.54	9.75	9.98
110°	7.08	8.26	8.80	9.26	9.77	10.07	10.54
120°	6.71	8.15	8.68	9.14	9.64	9.94	10.82
135°	6.04	7.77	8.73	9.23	9.73	10.13	11.03
150°	5.11	6.49	7.80	8.73	9.29	9.95	11.67
Run VMG	4.42	5.62	6.76	7.60	8.20	8.73	10.10
Gybe Angles	143.6°	144.8°	146.5°	153.5°	160.3°	180.0°	149.9°