



ORC

Offshore Racing Congress
World leader in rating technology

**2019
ORC Club
Certificate**

Rating Office

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



Certificate

Number **007/19**
Issued On **17/05/2019**
ORC Ref **HUN10025175**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight

Default 923kg
Maximum **750kg**
Minimum* **563kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	538.1	1.1150
Double H.OSN	531.1	1.1297
Non Spin GPH	574.5	1.0444
Non Spin OSN	563.9	1.0640

Sails Limitations

Headsails **6** 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 = 11.397

Stability (Measured)

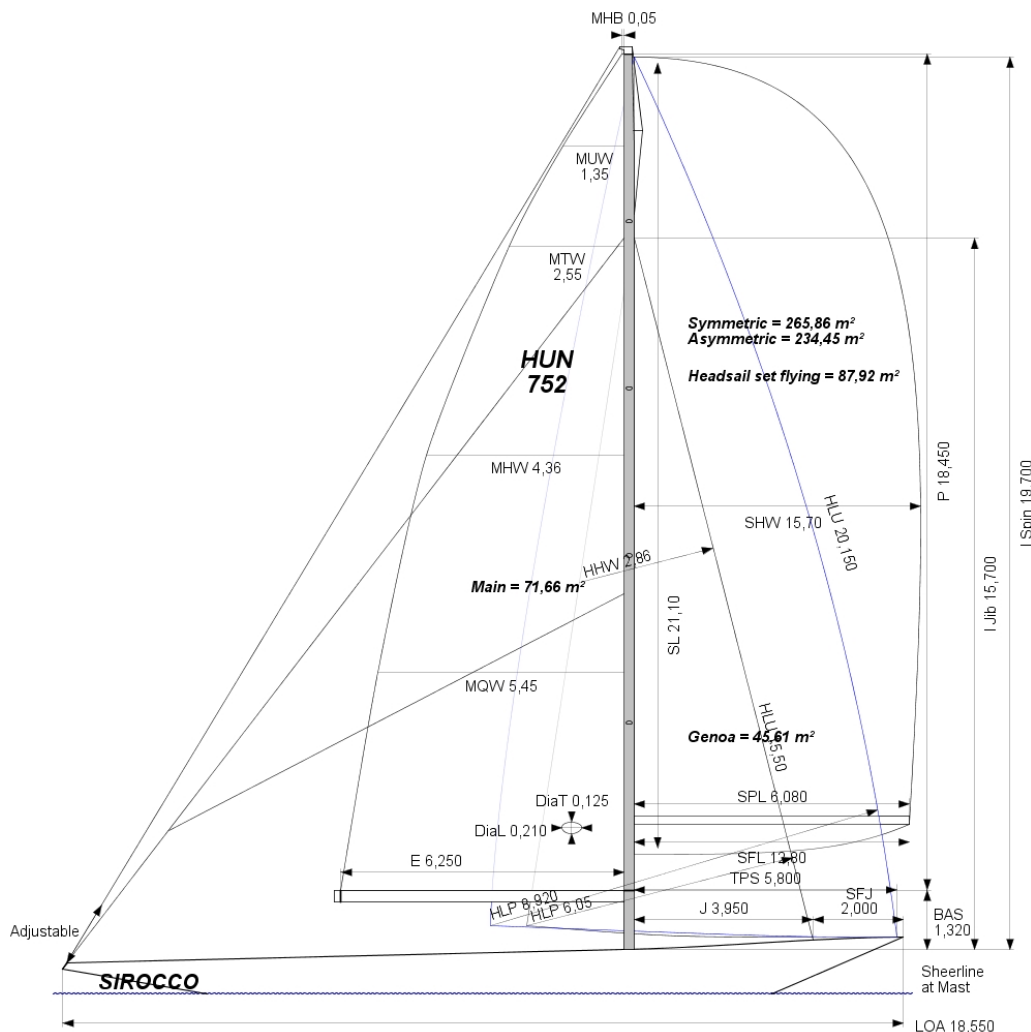
Limit Positive Stab.: **135.4°**
Stability Index: **144.0**

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	526.3	Data File	HUN75-2	LOA	18.550m
Sail Nr	HUN 75-2		Offset File	sirocco.off	MB	2.914m
			Displacement	9 151kg	Draft	1.837m
CLASS			IMS Division	Cruiser/Racer	Dynamic All.	0.025%
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	13.085m	VCGD	-0.253m
Age Allowance	0.487%		RL	9.708m	VCGM	-0.319m
			WS	36.48m²		
			LSM0	12.281m	Displacement/Length ratio	4.9405
COMMENTS			Water Ballast	0	Trim Tab	No
			BLR Index	0.0000		
PROPELLER			CENTERBOARD			
Installation	Shaft exposed	PRD	N/A			
Type	Feathering 2 blades	PBW				
		PIPA				
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	518.7			587.3		
Time on Time	1.1568			1.1493		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	585.2	472.3	424.7	768.6	590.6	517.3
Time on Time	1.1534	1.4291	1.5895	0.8782	1.1429	1.3048

2019

ORC Club Certificate Appendix

BOAT

Name	Sirocco	Certificate Number	007/19
Sail Nr	HUN 75-2	Issued On	17/05/2019

TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	894.9	770.6	709.3	677.7	659.2	647.8	634.3
52°	569.5	498.1	462.5	446.6	438.2	434.4	425.1
60°	522.7	464.3	438.0	425.8	419.4	415.5	408.0
75°	476.0	432.3	416.6	405.1	397.5	392.5	387.1
90°	462.6	419.0	402.0	392.3	381.2	370.9	360.4
110°	501.5	436.0	410.2	388.9	371.1	355.7	338.2
120°	527.1	437.4	411.3	389.8	367.8	355.1	326.8
135°	579.4	454.4	410.0	384.8	361.9	345.7	315.6
150°	682.2	538.1	451.7	407.0	380.5	353.5	296.6
Run VMG	787.7	621.3	521.5	467.2	434.2	405.5	342.5

Selected Courses

Windward / Leeward	841.3	696.0	615.4	572.5	546.7	526.6	488.4
Circular Random	707.6	579.2	511.9	473.4	449.2	432.1	406.7
Coastal / Long Distance	836.0	649.7	551.9	496.0	461.6	432.9	383.1
Non Spinnaker	800.8	642.6	556.9	506.5	474.6	453.2	425.2

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	45.4°	43.7°	43.3°	43.1°	42.8°	41.9°	42.6°
Beat VMG	4.02	4.67	5.08	5.31	5.46	5.56	5.68
52°	6.32	7.23	7.78	8.06	8.22	8.29	8.47
60°	6.89	7.75	8.22	8.45	8.58	8.66	8.82
75°	7.56	8.33	8.64	8.89	9.06	9.17	9.30
90°	7.78	8.59	8.96	9.18	9.44	9.71	9.99
110°	7.18	8.26	8.78	9.26	9.70	10.12	10.65
120°	6.83	8.23	8.75	9.23	9.79	10.14	11.02
135°	6.21	7.92	8.78	9.35	9.95	10.41	11.41
150°	5.28	6.69	7.97	8.85	9.46	10.18	12.14
Run VMG	4.57	5.79	6.90	7.71	8.29	8.88	10.51
Gybe Angles	143.7°	141.4°	147.7°	154.1°	159.3°	155.4°	149.7°