



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 **007/20**
Issued On **05/06/2020**
ORC Ref **03880000K1J**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 923kg
Maximum **900kg**
Minimum* **675kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **572.7 1.0477**
Non Spin OSN **561.8 1.0680**

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 = 11.488

Stability (Measured)

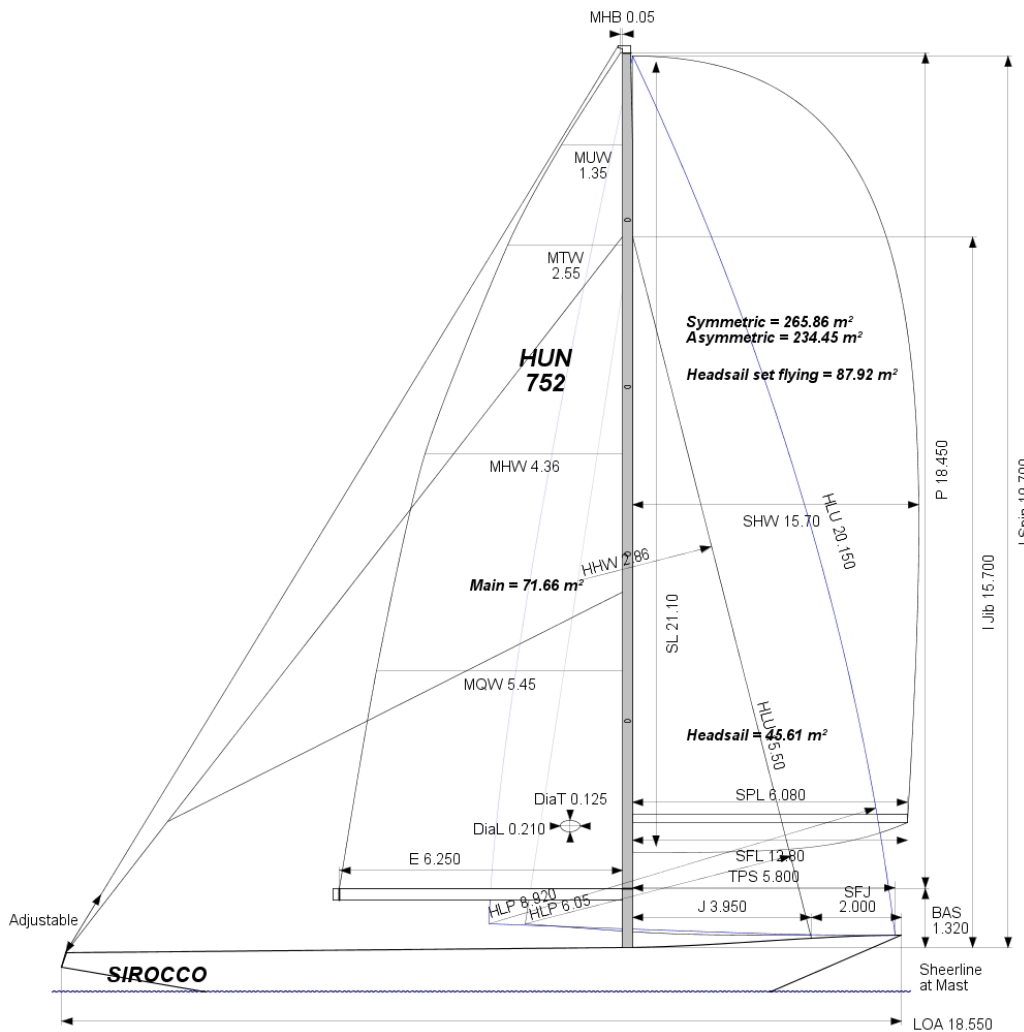
Limit Positive Stab.: **135.4°**
Stability Index: **144.0**

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 Sail Nr HUN 75-2		524.3		Data File HUN75-2	LOA 18.550m	
CLASS				Offset File sirocco.off	MB 2.914m	
Class 75 Skerry Cruiser				Displacement 9,151kg	Draft 1.837m	
Designer Jenő Benacsek				IMS Division Cruiser/Racer	Dynamic All. 0.041%	
Builder Balatonfüred SY				Plan Review	Construction Solid	
Series 01/1943				Fiber Rigging No	Aramid Core No	
Age Date 01/1947				Crew Arm Ex	Carbon Rudder No	
Age Allowance 0.487%					Light Stanchions No	
COMMENTS				IMSL 13.085m	VCGD -0.253m	Sink 23.39kg/mm
				RL 9.864m	VCGM -0.319m	WS 36.48m²
				LSM0 12.281m	Displacement/Length ratio	
				Water Ballast	Trim Tab No	
				BLR Index 0.0000		
PROPELLER				CENTERBOARD		
Installation Shaft exposed	PRD 0.406			N/A		
Type Feathering 2 blades	PBW 0.100					
	PIPA 0.0034					
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	516.8			584.1		
Time on Time	1.1609			1.1556		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	582.4	470.6	423.8	763.2	587.3	514.5
Time on Time	1.1589	1.4343	1.5926	0.8844	1.1493	1.3120

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ORC Club Certificate Appendix

BOAT	
Name Sirocco	Certificate Number 007/20
Sail Nr HUN 75-2	Issued On 05/06/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	883.8	762.9	701.9	672.3	654.0	642.4	628.3
52°	561.3	490.5	458.5	443.3	436.4	432.6	423.4
60°	515.3	457.1	435.7	423.9	417.0	414.4	406.9
75°	474.5	428.7	413.5	403.5	396.8	391.7	386.2
90°	466.8	420.2	399.9	390.4	380.8	370.3	359.8
110°	511.8	439.3	412.8	394.3	376.4	360.7	342.8
120°	525.7	436.6	409.9	394.1	376.6	361.6	338.2
135°	578.1	453.8	409.6	383.6	360.8	344.2	314.3
150°	680.9	536.9	451.1	406.2	380.4	353.5	296.5
Run VMG	786.2	619.9	520.9	466.9	434.0	405.5	342.3
Selected Courses							
Windward / Leeward	835.0	691.4	611.4	569.6	544.0	524.0	485.3
Circular Random	704.5	576.7	510.0	471.9	448.0	431.1	405.8
Coastal / Long Distance	830.1	645.7	548.6	494.4	461.3	432.8	384.9
Non Spinnaker	798.7	640.6	555.1	504.7	472.9	451.5	423.4

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	45.8°	44.3°	43.5°	42.8°	42.8°	41.6°	42.2°
Beat VMG	4.07	4.72	5.13	5.35	5.50	5.60	5.73
52°	6.41	7.34	7.85	8.12	8.25	8.32	8.50
60°	6.99	7.88	8.26	8.49	8.63	8.69	8.85
75°	7.59	8.40	8.71	8.92	9.07	9.19	9.32
90°	7.71	8.57	9.00	9.22	9.45	9.72	10.01
110°	7.03	8.19	8.72	9.13	9.56	9.98	10.50
120°	6.85	8.25	8.78	9.13	9.56	9.96	10.64
135°	6.23	7.93	8.79	9.39	9.98	10.46	11.46
150°	5.29	6.71	7.98	8.86	9.46	10.18	12.14
Run VMG	4.58	5.81	6.91	7.71	8.30	8.88	10.52
Gybe Angles	144.0°	141.5°	147.8°	154.0°	159.0°	155.5°	149.5°