



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 **017/19**
Issued On **06/06/2019**
ORC Ref **HUN10025639**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight

Default 573kg
Maximum **600kg**
Minimum* **450kg**
**when applied by the NoR and SI*
Non Manual Pwr

Special Scoring

	ToD	ToT
Double H.GPH	619.1	0.9691
Double H.OSN	608.3	0.9863
Non Spin GPH	676.2	0.8873
Non Spin OSN	655.1	0.9159

Sails Limitations

Headsails **1** Spinnakers **3**
Dacron Sails

Spinnaker configuration
Symmetric: **Yes** 170.52
Asymmetric: **Yes** 135.31
Flying H/S: **Yes** 76.65
Spin. Pole: **Yes**

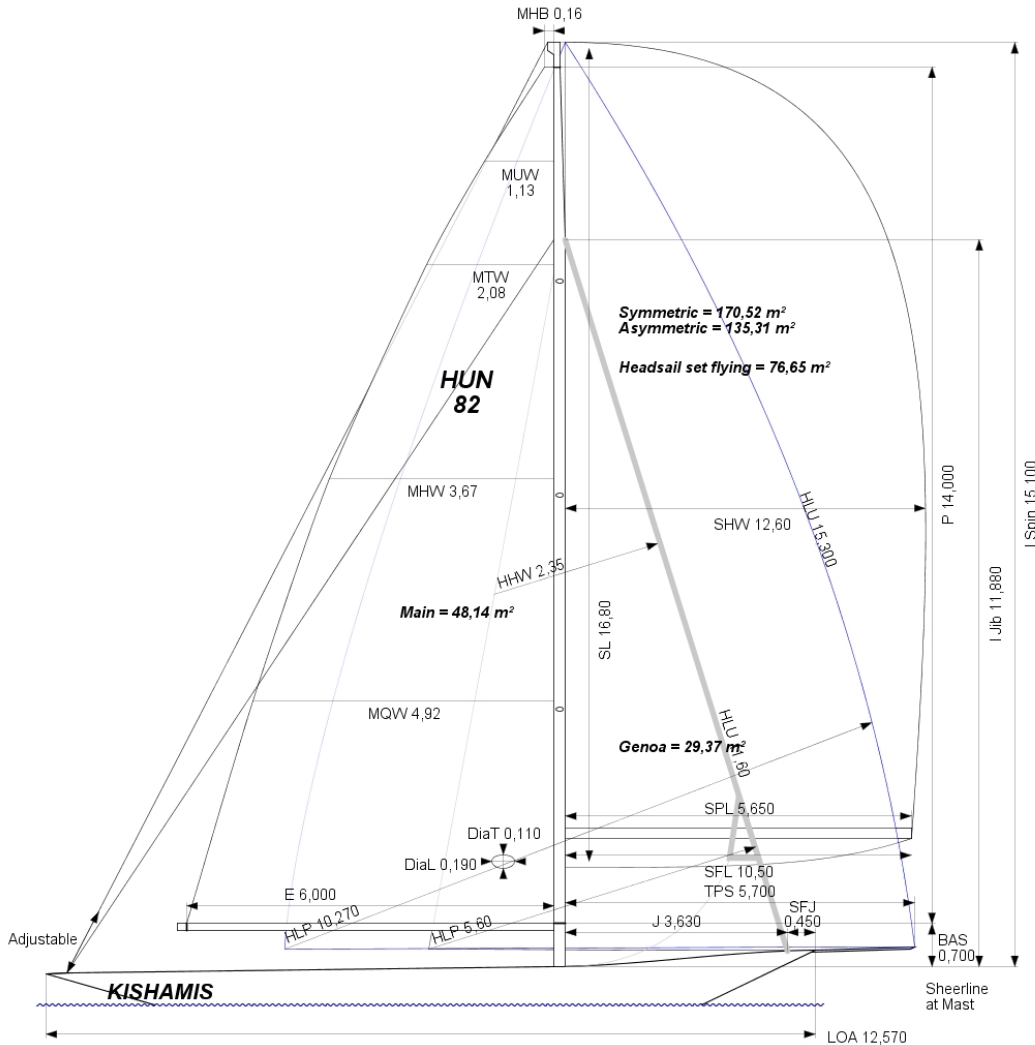
Class Division Length
CDL = **8.589**

Stability (Measured)
Limit Positive Stab.: **140.6°**
Stability Index: **147.1**

Owner
Vizügyi SC
Budapest
HUNGARY

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

Signature



BOAT	GPH	HULL
Name Kishamis Sail Nr HUN 8-2	613.2	Data File HUN8-2 LOA 12.570m Offset File kishamis.off MB 2.932m Displacement 7 000kg Draft 1.617m
CLASS Class 8mR Designer G. L Watson Builder Balatonfüred SY Series 12/1900 Age Date 12/1900 Age Allowance 0.487%		IMS Division Cruiser/Racer Dynamic All. 0.202% Fwd Accom. Yes Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS		IMSL 9.398m VCGD -0.667m Sink 17.17kg/mm RL 7.780m VCGM -0.500m WS 27.29m² LSM0 8.798m Displacement/Length ratio 10.2789
PROPELLER Type No Propeller		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD N/A
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	601.0	673.1
Time on Time	0.9983	1.0028
Triple Number	Low Medium High	Low Medium High
Time on Distance	691.7 547.1 489.2	902.6 678.5 586.4
Time on Time	0.9759 1.2338 1.3799	0.7478 0.9949 1.1510

2019

ORC Club Certificate Appendix

BOAT	
Name Kishamis	Certificate Number 017/19
Sail Nr HUN 8-2	Issued On 06/06/2019

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1071.0	902.5	812.3	757.0	723.4	704.6	687.8
52°	681.7	574.7	528.3	508.7	496.9	489.7	482.7
60°	627.5	535.7	504.5	491.1	482.9	475.6	468.3
75°	576.6	508.4	485.2	473.7	466.7	458.4	446.0
90°	565.9	503.1	478.4	461.5	450.8	442.8	426.2
110°	613.1	512.3	476.9	457.8	437.8	423.2	406.0
120°	621.1	514.3	474.8	452.8	433.3	420.2	394.9
135°	677.5	542.3	488.1	460.3	434.4	411.1	381.5
150°	784.0	633.5	535.1	486.8	461.5	437.7	395.7
Run VMG	905.3	731.5	617.8	551.1	508.9	479.4	434.3
Selected Courses							
Windward / Leeward	988.2	817.0	715.0	654.1	616.1	592.0	561.1
Circular Random	833.8	678.3	595.8	548.0	518.3	498.4	472.4
Coastal / Long Distance	979.9	763.0	641.5	570.5	530.4	500.1	452.8
Non Spinnaker	953.9	761.1	654.9	591.3	551.2	524.8	492.5

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	45.7°	45.5°	45.0°	42.4°	41.3°	40.5°	40.0°
Beat VMG	3.36	3.99	4.43	4.76	4.98	5.11	5.23
52°	5.28	6.26	6.81	7.08	7.25	7.35	7.46
60°	5.74	6.72	7.14	7.33	7.45	7.57	7.69
75°	6.24	7.08	7.42	7.60	7.71	7.85	8.07
90°	6.36	7.16	7.53	7.80	7.99	8.13	8.45
110°	5.87	7.03	7.55	7.86	8.22	8.51	8.87
120°	5.80	7.00	7.58	7.95	8.31	8.57	9.12
135°	5.31	6.64	7.38	7.82	8.29	8.76	9.44
150°	4.59	5.68	6.73	7.39	7.80	8.23	9.10
Run VMG	3.98	4.92	5.83	6.53	7.07	7.51	8.29
Gybe Angles	146.4°	148.1°	149.9°	157.2°	180.0°	180.0°	180.0°