



World Leader in Rating Technology

2016 ORC Club Certificate

Rating Office

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



Certificate

Number **027/16**
Issued On **11.5.2016.**
ORC Ref **HUN00062946**
VPP Ver. **2016 1.01**
Valid until **31.12.2016.**

Crew Weight

Declared **600kg**
Default* **656kg**
Non Manual Pwr

Special Scoring

	ToD	ToT
Non Spin GPH	662.4	0.9058
Non Spin OSN	647.3	0.9270
N/S Perf. Line	13.0	0.592

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 = **8.808**

Stability

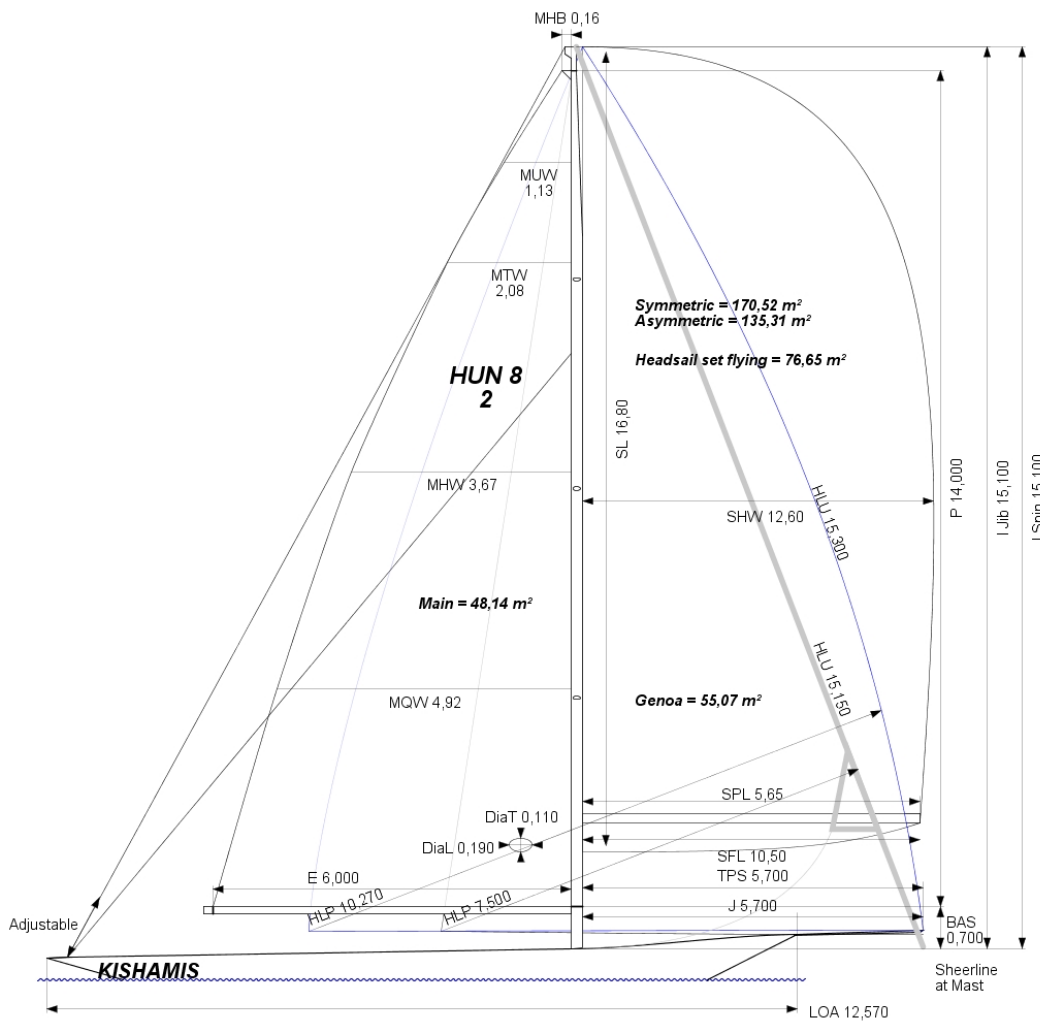
LPS (Estimated): **117.7°**
Stability Index: **125.4**
OSR Category: **N/A**

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	628.8	Data File HUN8-2.dxt LOA 12.570m Offset File kishamis.off MB 2.932m Displacement 9,208kg Draft 1.736m
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. 0.212% Fwd Accom. Yes Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS		IMSL 10.157m VCGD -0.300m Sink 19.63kg/mm RL 7.458m VCGM -0.253m WS 30.83m2 LSM0 9.664m Displacement/Length ratio 10.2022
PROPELLER Type No Propeller		Water Ballast 0 Trim Tab No
SCORING OPTIONS		CENTERBOARD N/A
	OFFSHORE COASTAL / LONG DISTANCE	INSHORE WINDWARD / LEEWARD
Time On Distance	615.0	687.1
Time On Time	0.9757	0.9823
Performance Line	PLT 0.678 PLD 48.6	PLT 0.802 PLD 182.1
Triple Number	Low 0.9390 Medium 1.2104 High 1.3555	Low 0.7141 Medium 0.9723 High 1.1438



World Leader in Rating Technology

2016

ORC Club Certificate Appendix

BOAT	
Name	Kishamis
Sail Nr	HUN 8-2
Certificate Number	027/16
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	1143.2	953.1	842.2	773.2	733.1	707.1	683.7
52°	722.2	607.3	537.1	509.0	497.3	490.4	482.2
60°	667.6	560.1	508.2	491.0	483.2	478.4	471.5
75°	598.9	511.6	486.6	475.1	467.8	463.1	457.2
90°	579.3	504.3	479.8	467.2	459.6	451.4	443.0
110°	624.3	516.1	482.1	466.8	452.2	440.5	426.5
120°	634.7	520.4	480.3	463.3	449.1	437.7	414.1
135°	695.5	558.3	493.6	468.8	449.3	429.3	403.5
150°	808.6	650.3	547.2	491.7	469.0	450.6	413.5
Run VMG	933.7	750.9	631.8	557.2	513.5	481.7	443.8

Selected Courses							
Windward / Leeward	1038.4	852.0	737.0	665.2	623.3	594.4	563.8
Circular Random	863.6	698.5	610.2	559.1	527.7	507.4	482.7
Ocean for PCS	1064.7	824.2	688.1	604.8	551.1	514.3	465.1
Non Spinnaker	923.9	741.7	642.2	583.2	546.3	522.3	493.5

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	46.9°	45.6°	45.6°	44.6°	42.7°	41.1°	40.3°
Beat VMG	3.15	3.78	4.27	4.66	4.91	5.09	5.27
52°	4.98	5.93	6.70	7.07	7.24	7.34	7.47
60°	5.39	6.43	7.08	7.33	7.45	7.53	7.63
75°	6.01	7.04	7.40	7.58	7.69	7.77	7.87
90°	6.21	7.14	7.50	7.71	7.83	7.97	8.13
110°	5.77	6.98	7.47	7.71	7.96	8.17	8.44
120°	5.67	6.92	7.50	7.77	8.02	8.23	8.69
135°	5.18	6.45	7.29	7.68	8.01	8.38	8.92
150°	4.45	5.54	6.58	7.32	7.68	7.99	8.71
Run VMG	3.86	4.79	5.70	6.46	7.01	7.47	8.11
Gybe Angles	146.0°	149.5°	148.5°	156.0°	173.2°	180.0°	180.0°