



World Leader in Rating Technology

2016 ORC Club Certificate

Rating Office

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

Certificate

Number **033/16**
Issued On **6.7.2016**.
ORC Ref **HUN00070057**
VPP Ver. **2016 1.01**
Valid until **31.12.2016**.

Crew Weight

Declared **480kg**
Default* **617kg**
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	638.6	0.9396
Non Spin OSN	622.5	0.9638
N/S Perf. Line	26.2	0.635

Sails Limitations

Headsails **6** Spinnakers **3**

Spinnaker configuration
Symmetric: **Yes 105.12**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = **9.060**

Stability

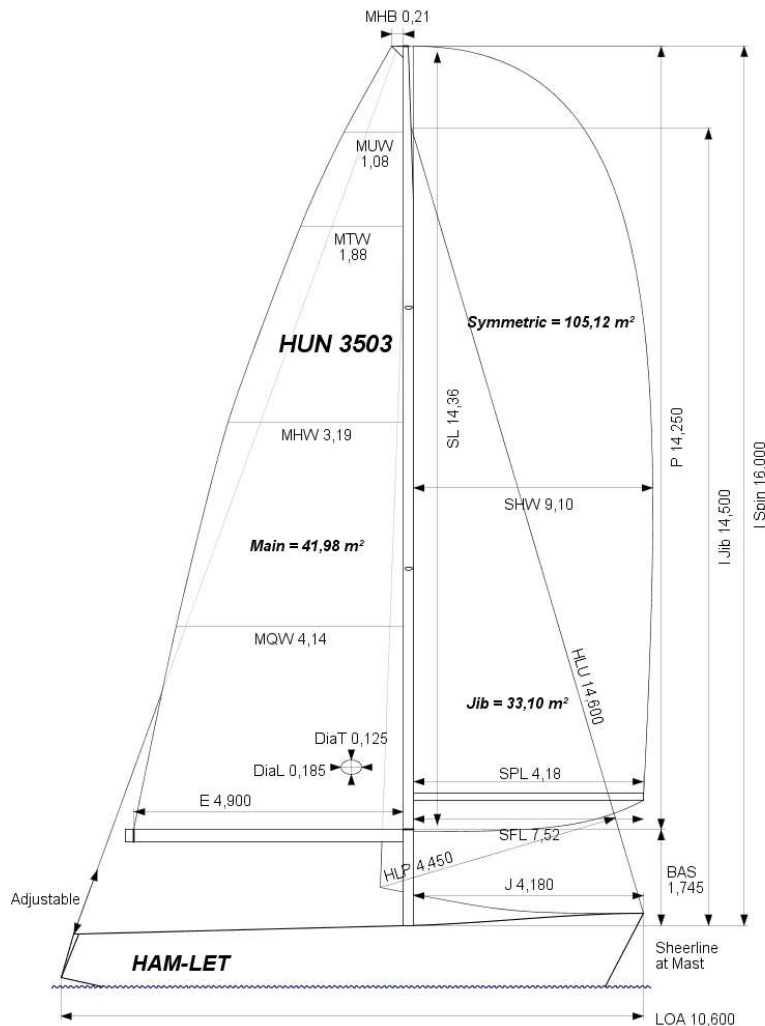
LPS (Estimated): **124.2°**
Stability Index: **125.2**
OSR Category: **N/A**

Owner

Gerendy Zoltán István
Orsó u 45/b
1026 Budapest
HUNGARY

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

Signature



BOAT		GPH		HULL			
Name Ham-Let Sail Nr HUN 3503		606.3		Data File HUN3503.dxt	LOA 10.600m		
				Offset File X35SD.OFF	MB 3.250m		
				Displacement 4,599kg	Draft 1.867m		
CLASS				IMS Division Cruiser/Racer	Dynamic All. 0.000%		
Class X-35 SD				Fwd Accom. Yes	Construction Cored		
Designer Jeppesen				Fiber Rigging No	Aramid Core No		
Builder X-Yachts				Crew Arm Ex	Carbon Rudder No		
Series 01.2005				Light Stanchions No			
Age Date 02.2008				IMSL 9.474m	VCGD -0.098m	Sink 17.80kg/mm	
Age Allowance 0.357%				RL 8.644m	VCGM -0.114m	WS 22.99m²	
COMMENTS				LSM0 9.258m	Displacement/Length ratio 5.7958		
				Water Ballast 0 Trim Tab No			
PROPELLER				CENTERBOARD			
Installation Strut	PRD 0.415			N/A			
Type Folding 2 blades	PBW 0.120						
	PIPA 0.0031						
SCORING OPTIONS							
	OFFSHORE			INSHORE			
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD			
Time On Distance	591.6			660.7			
Time On Time	1.0142			1.0217			
Performance Line	PLT	PLD		PLT	PLD		
	0.729	62.8		0.973	276.3		
Triple Number	Low	Medium	High	Low	Medium	High	
	0.9853	1.2497	1.3948	0.7620	1.0181	1.1617	



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ORC Club Certificate Appendix

BOAT		Certificate Number	033/16
Name	Ham-Let	Issued On	6.7.2016.
Sail Nr	HUN 3503		

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1024.6	851.3	755.5	718.2	699.9	687.4	682.4
52°	665.7	559.6	513.8	499.5	493.0	489.4	482.3
60°	624.5	533.3	498.8	485.0	478.2	474.3	465.7
75°	590.4	516.2	487.1	467.8	454.4	447.4	441.5
90°	591.9	514.5	488.0	466.7	446.0	428.6	412.8
110°	599.6	509.6	475.4	454.8	440.2	426.3	403.1
120°	616.1	518.2	481.2	451.2	425.7	411.1	385.3
135°	680.5	555.6	500.8	471.7	443.1	414.8	355.5
150°	801.6	642.4	547.8	500.3	473.0	446.5	394.1
Run VMG	925.6	741.8	630.8	564.0	515.2	484.5	434.5
Selected Courses							
Windward / Leeward	975.1	796.6	693.2	641.1	607.5	586.0	558.5
Circular Random	825.7	670.8	588.9	541.7	512.6	492.9	466.0
Ocean for PCS	1010.6	785.8	660.0	583.3	533.3	497.8	446.8
Non Spinnaker	884.1	712.0	619.3	565.2	531.6	509.4	480.9

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	43.7°	42.7°	41.4°	39.7°	39.3°	38.7°	39.2°
Beat VMG	3.51	4.23	4.77	5.01	5.14	5.24	5.28
52°	5.41	6.43	7.01	7.21	7.30	7.36	7.46
60°	5.76	6.75	7.22	7.42	7.53	7.59	7.73
75°	6.10	6.97	7.39	7.70	7.92	8.05	8.15
90°	6.08	7.00	7.38	7.71	8.07	8.40	8.72
110°	6.00	7.06	7.57	7.92	8.18	8.45	8.93
120°	5.84	6.95	7.48	7.98	8.46	8.76	9.34
135°	5.29	6.48	7.19	7.63	8.13	8.68	10.13
150°	4.49	5.60	6.57	7.20	7.61	8.06	9.13
Run VMG	3.89	4.85	5.71	6.38	6.99	7.43	8.29
Gybe Angles	144.6°	148.2°	152.0°	159.6°	180.0°	180.0°	180.0°