



World Leader in Rating Technology

2016 ORC Club Certificate

Rating Office

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



Certificate

Number **015/16**
Issued On **3.5.2016.**
ORC Ref **HUN00062814**
VPP Ver. **2016 1.01**
Valid until **31.12.2016.**

Crew Weight

Declared **579kg**
Default* **579kg**
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **662.8 0.9053**
Non Spin OSN **644.4 0.9312**
N/S Perf. Line **29.5 0.618**

Sails Limitations

Headsails 1 Spinnakers 3

Spinnaker configuration

Symmetric: **Yes 122.11**
Asymmetric: **No**
Flying H/S: **Yes 45.31**
Spin. Pole: **Yes**

Class Division Length

CDL = **8.571**

Stability

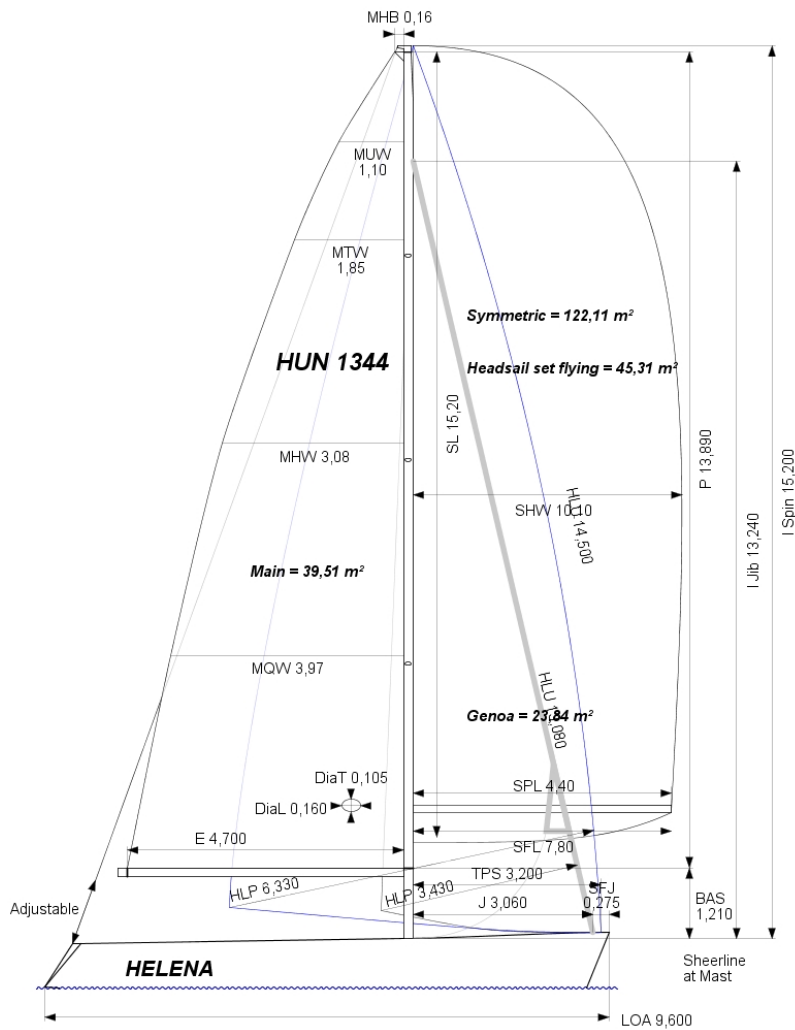
LPS (Estimated): **117.8°**
Stability Index: **117.5**
OSR Category: **N/A**

Owner

Varga Huba
Endrődi S. u. 51/b
1026 Budapest
HUNGARY

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

Signature



BOAT		GPH		HULL			
Name Helena Sail Nr HUN 1344		611.7		Data File HUN1344.dxt	LOA 9.600m		
				Offset File scholtz32.off	MB 3.064m		
				Displacement 3,710kg	Draft 1.946m		
CLASS				IMS Division Performance	Dynamic All. 0.000%		
Class Scholtz 32				Fwd Accom. Yes	Construction Solid		
Designer Scholtz I				Fiber Rigging No	Aramid Core No		
Builder Style Yacht Ltd.				Crew Arm Ex	Carbon Rudder No		
Series 01.2004					Light Stanchions No		
Age Date 01.2010				IMSL 8.833m	VCGD -0.210m	Sink 15.69kg/mm	
Age Allowance 0.390%				RL 8.307m	VCGM -0.179m	WS 20.46m2	
COMMENTS				LSM0 8.853m	Displacement/Length ratio 5.3469		
				Water Ballast 0 Trim Tab No			
PROPELLER				CENTERBOARD			
Installation Strut	PRD 0.400			N/A			
Type Feathering 3 blades	PBW 0.100						
	PIPA 0.0040						
SCORING OPTIONS							
	OFFSHORE			INSHORE			
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD			
Time On Distance	600.0			668.6			
Time On Time	1.0000			1.0096			
Performance Line	PLT	PLD		PLT	PLD		
	0.745	78.1		1.036	326.9		
Triple Number	Low	Medium	High	Low	Medium	High	
	0.9949	1.2269	1.3700	0.7686	1.0044	1.1418	



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ORC Club Certificate Appendix

BOAT	
Name Helena	Certificate Number 015/16
Sail Nr HUN 1344	Issued On 3.5.2016.

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1013.7	850.2	772.5	732.6	713.3	703.2	690.8
52°	653.7	557.7	530.8	519.5	512.1	507.9	499.9
60°	606.4	534.7	514.4	504.7	497.1	491.8	483.9
75°	565.6	517.5	494.4	480.2	470.7	462.7	452.2
90°	560.5	517.8	492.9	469.0	450.1	438.8	423.6
110°	595.3	521.3	491.2	472.4	452.0	425.7	395.0
120°	608.6	526.9	491.7	460.0	441.5	425.2	381.7
135°	671.5	553.9	510.4	478.6	445.5	413.2	360.1
150°	787.4	640.7	551.6	509.5	480.1	449.9	390.7
Run VMG	909.2	739.8	633.4	568.2	523.8	495.0	439.2

Selected Courses							
Windward / Leeward	961.4	795.0	702.9	650.4	618.6	599.1	565.0
Circular Random	820.5	672.9	595.4	550.6	522.0	501.7	471.4
Ocean for PCS	1007.9	789.7	667.9	593.3	543.9	507.7	452.8
Non Spinnaker	917.9	739.3	642.9	586.4	550.9	527.0	495.2

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	44.3°	43.5°	41.1°	38.7°	38.1°	37.4°	37.1°
Beat VMG	3.55	4.23	4.66	4.91	5.05	5.12	5.21
52°	5.51	6.46	6.78	6.93	7.03	7.09	7.20
60°	5.94	6.73	7.00	7.13	7.24	7.32	7.44
75°	6.36	6.96	7.28	7.50	7.65	7.78	7.96
90°	6.42	6.95	7.30	7.68	8.00	8.20	8.50
110°	6.05	6.91	7.33	7.62	7.96	8.46	9.11
120°	5.92	6.83	7.32	7.83	8.15	8.47	9.43
135°	5.36	6.50	7.05	7.52	8.08	8.71	10.00
150°	4.57	5.62	6.53	7.07	7.50	8.00	9.21
Run VMG	3.96	4.87	5.68	6.34	6.87	7.27	8.20
Gybe Angles	142.5°	148.6°	152.8°	163.1°	180.0°	180.0°	180.0°