



World Leader in Rating Technology

2016 ORC Club Certificate

Rating Office

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



Certificate

Number **024/16**
Issued On **7.5.2016.**
ORC Ref **HUN00062882**
VPP Ver. **2016 1.01**
Valid until **31.12.2016.**

Crew Weight

Declared **420kg**
Default* **762kg**
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin	GPH 663.4	0.9044
Non Spin	OSN 641.1	0.9359
N/S Perf. Line	-11.8	0.560

Sails Limitations

Headsails **1** Spinnakers **3**

Spinnaker configuration

Symmetric: **Yes** **83.10**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = **9.704**

Stability

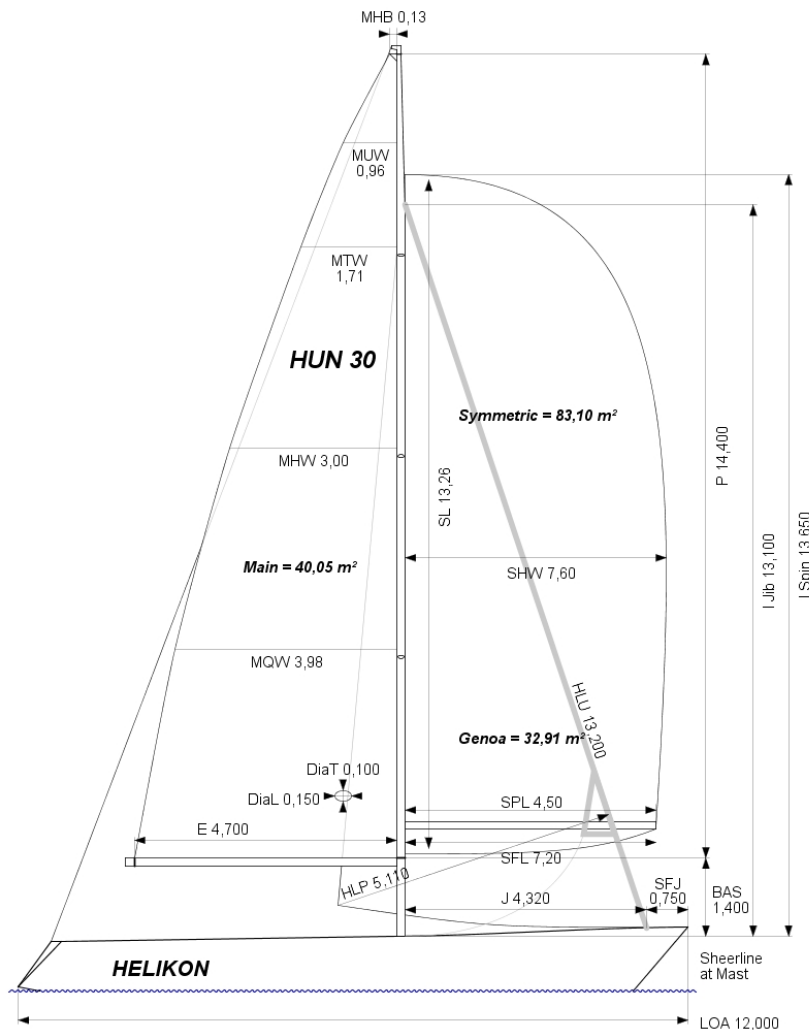
LPS (Estimated): **98.4°**
Stability Index: **102.6**
OSR Category: **N/A**

Owner

Rudolf Andorka
Zakonyi f.u. 6
8230 Balatonfüred
HUNGARY

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

Signature



BOAT		GPH		HULL			
Name	Helikon			Data File	HUN30.dxt	LOA	12.000m
Sail Nr	HUN 30			Offset File	BB12TouringHe	MB	3.500m
			633.2	Displacement	6,538kg	Draft	2.056m
CLASS				IMS Division	Cruiser/Racer	Dynamic All.	0.322%
Class	BB-12 Touring			Fwd Accom.	No	Construction	Solid
Designer	Boerresen			Fiber Rigging	No	Aramid Core	No
Builder	Boerresen			Crew Arm Ex	No	Carbon Rudder	No
Series	01.1988					Light Stanchions	No
Age Date	01.1988			IMSL	10.804m	VCGD	0.203m
Age Allowance	0.487%			Sink	23.21kg/mm	RL	8.603m
				WS	29.56m2	LSM0	10.739m
				Displacement/Length ratio	5.2790		
COMMENTS				Water Ballast	0	Trim Tab	No
PROPELLER				CENTERBOARD			
Installation	Strut	PRD	0.400				
Type	Feathering 2 blades	PBW	0.100				N/A
		PIPA	0.0037				
SCORING OPTIONS							
	OFFSHORE			INSHORE			
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD			
Time On Distance	613.1			686.1			
Time On Time	0.9787			0.9838			
Performance Line	PLT	PLD		PLT	PLD		
	0.618	8.8		0.720	125.0		
Triple Number	Low	Medium	High	Low	Medium	High	
	0.9016	1.2159	1.3958	0.6888	0.9725	1.1638	



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ORC Club Certificate Appendix

BOAT

Name **Helikon** Certificate Number **024/16**
 Sail Nr **HUN 30** Issued On **7.5.2016.**

TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1129.2	916.8	795.5	719.9	688.0	671.7	656.8
52°	727.0	600.4	525.6	491.9	479.9	474.1	469.0
60°	678.7	565.5	502.9	477.3	465.9	460.4	455.1
75°	639.9	537.3	487.9	465.5	450.7	440.2	430.9
90°	643.9	535.1	482.4	464.5	450.5	434.9	410.6
110°	652.5	533.6	480.6	455.4	433.7	420.1	400.8
120°	676.0	551.6	489.1	461.3	439.6	416.8	385.8
135°	757.4	611.3	525.7	481.8	458.1	436.6	392.4
150°	910.4	712.3	598.0	525.6	483.3	460.2	419.1
Run VMG	1051.3	822.5	690.3	602.0	541.2	495.9	449.3

Selected Courses

Windward / Leeward	1090.2	869.7	742.9	661.0	614.6	583.8	553.0
Circular Random	892.3	711.9	613.1	554.6	518.2	494.5	465.7
Ocean for PCS	1101.8	839.7	690.7	599.2	540.2	499.8	445.8
Non Spinnaker	946.8	750.3	641.6	576.5	535.7	509.2	477.1

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°	42.7°	42.0°	41.0°	39.5°	38.6°	38.0°
Beat VMG	3.19	3.93	4.53	5.00	5.23	5.36	5.48
52°	4.95	6.00	6.85	7.32	7.50	7.59	7.68
60°	5.30	6.37	7.16	7.54	7.73	7.82	7.91
75°	5.63	6.70	7.38	7.73	7.99	8.18	8.35
90°	5.59	6.73	7.46	7.75	7.99	8.28	8.77
110°	5.52	6.75	7.49	7.91	8.30	8.57	8.98
120°	5.33	6.53	7.36	7.80	8.19	8.64	9.33
135°	4.75	5.89	6.85	7.47	7.86	8.25	9.17
150°	3.95	5.05	6.02	6.85	7.45	7.82	8.59
Run VMG	3.42	4.38	5.22	5.98	6.65	7.26	8.01
Gybe Angles	144.8°	149.1°	151.3°	154.3°	168.2°	180.0°	180.0°