



World Leader in Rating Technology

2018 ORC Club Certificate

Rating Office

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



Certificate

Number **007/18**
Issued On **18/05/2018**
ORC Ref **HUN10014276**
VPP Ver. **2018 1.00**
Valid until **31/12/2018**

Crew Weight

Default 762kg
Maximum **420kg**
Minimum* **315kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	660.8	0.9080
Non Spin OSN	637.8	0.9407

Sails Limitations

Headsails **1** Spinnakers **4**

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

Class Division Length

CDL = 9.830

Stability (Estimated)

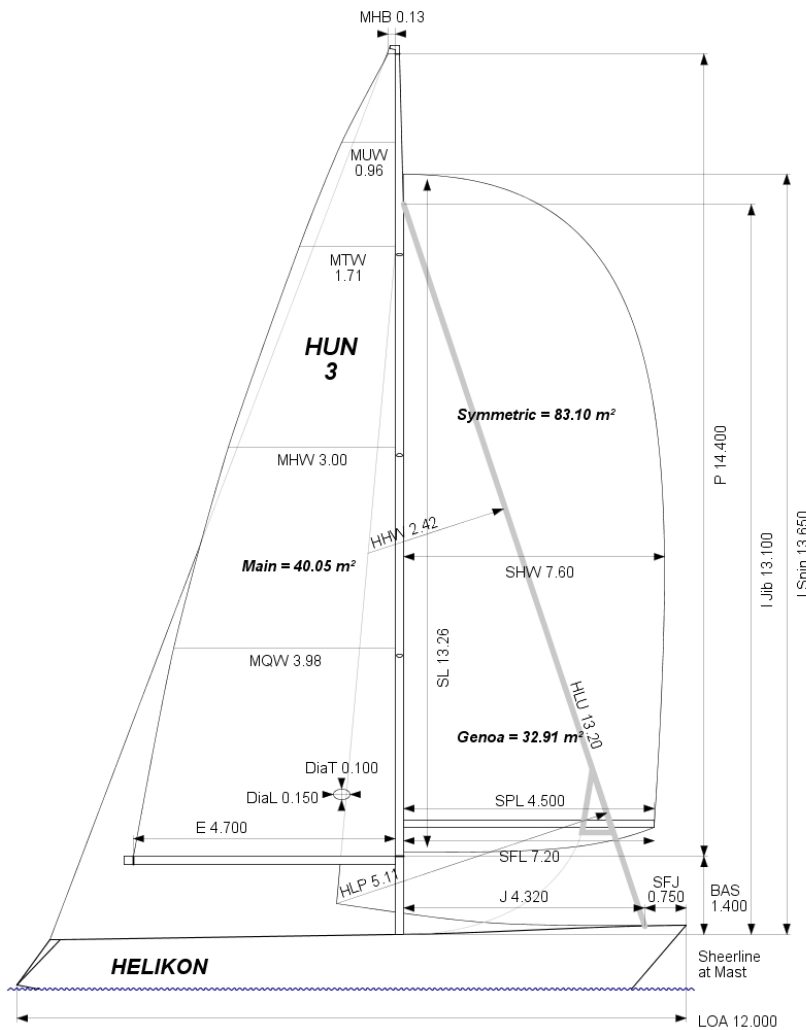
Limit Positive Stab.: **98.4°**
Stability Index: **102.6**

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		628.4	Data File	HUN3 LOA 12.000m	
Sail Nr	HUN-3			Offset File	BB12TouringHe MB 3.500m	
				Displacement	6,538kg Draft 2.056m	
CLASS				IMS Division	Cruiser/Racer Dynamic All. 0.316%	
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 Sink 23.21kg/mm	
Age Allowance	0.487%			RL	8.855m VCGM 0.212m WS 29.56m²	
COMMENTS				LSM0	10.739m Displacement/Length ratio 5.2790	
				Water Ballast	0 Trim Tab No	
				BLR Index	0.0000	
PROPELLER				CENTERBOARD		
Installation	Strut	PRD	0.400	N/A		
Type	Feathering 2 blades	PBW	0.100			
		PIPA	0.0037			
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	607.9			678.8		
Time on Time	0.9871			0.9944		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	737.4	551.8	485.9	956.8	684.9	581.0
Time on Time	0.9154	1.2233	1.3891	0.7055	0.9856	1.1618



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ORC Club Certificate Appendix

BOAT	
Name Helikon	Certificate Number 007/18
Sail Nr HUN-3	Issued On 18/05/2018

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1086.0	885.8	772.6	709.6	686.2	675.5	664.7
52°	710.3	590.9	522.8	494.5	484.5	479.9	476.8
60°	671.6	562.7	505.1	481.9	471.6	467.0	463.0
75°	643.4	542.0	493.4	471.6	458.1	449.0	440.9
90°	651.5	536.9	484.7	466.3	453.7	439.3	417.8
110°	651.1	532.9	479.7	454.9	434.9	420.6	401.6
120°	672.7	549.6	487.8	459.7	437.5	415.9	385.1
135°	750.0	606.1	522.6	479.8	456.0	433.7	388.9
150°	900.8	706.1	593.5	522.2	481.3	458.3	416.2
Run VMG	1040.2	815.3	685.0	597.8	538.7	494.3	447.8
Selected Courses							
Windward / Leeward	1063.1	850.5	728.8	653.7	612.4	584.9	556.2
Circular Random	880.4	704.2	608.6	552.6	518.2	496.1	469.1
Coastal / Long Distance	1060.8	798.2	653.8	568.8	526.9	495.7	448.5
Non Spinnaker	938.8	745.5	639.2	576.1	537.0	511.7	481.5

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	43.1°	41.4°	40.6°	39.6°	38.6°	38.1°	37.8°
Beat VMG	3.32	4.06	4.66	5.07	5.25	5.33	5.42
52°	5.07	6.09	6.89	7.28	7.43	7.50	7.55
60°	5.36	6.40	7.13	7.47	7.63	7.71	7.77
75°	5.60	6.64	7.30	7.63	7.86	8.02	8.16
90°	5.53	6.70	7.43	7.72	7.93	8.19	8.62
110°	5.53	6.76	7.50	7.91	8.28	8.56	8.96
120°	5.35	6.55	7.38	7.83	8.23	8.66	9.35
135°	4.80	5.94	6.89	7.50	7.90	8.30	9.26
150°	4.00	5.10	6.07	6.89	7.48	7.85	8.65
Run VMG	3.46	4.42	5.26	6.02	6.68	7.28	8.04
Gybe Angles	144.7°	149.1°	151.2°	154.3°	167.5°	180.0°	180.0°