



ORC

Offshore Racing Congress
World leader in rating technology

**2019
ORC Club
Certificate**

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



Certificate

Number **014/19**
Issued On **29/05/2019**
ORC Ref **HUN10025404**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight

Default 518kg
Maximum **518kg**
Minimum* **389kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	726.3	0.8261
Double H.OSN	707.2	0.8484
Non Spin GPH	752.6	0.7972
Non Spin OSN	727.3	0.8250

Sails Limitations

Headsails **5** Spinnakers **3**

Asymmetric on centerline

Spinnaker configuration
Symmetric: **Yes** **54.67**
Asymmetric: **Yes** **55.80**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = 7.162

Stability (Estimated)

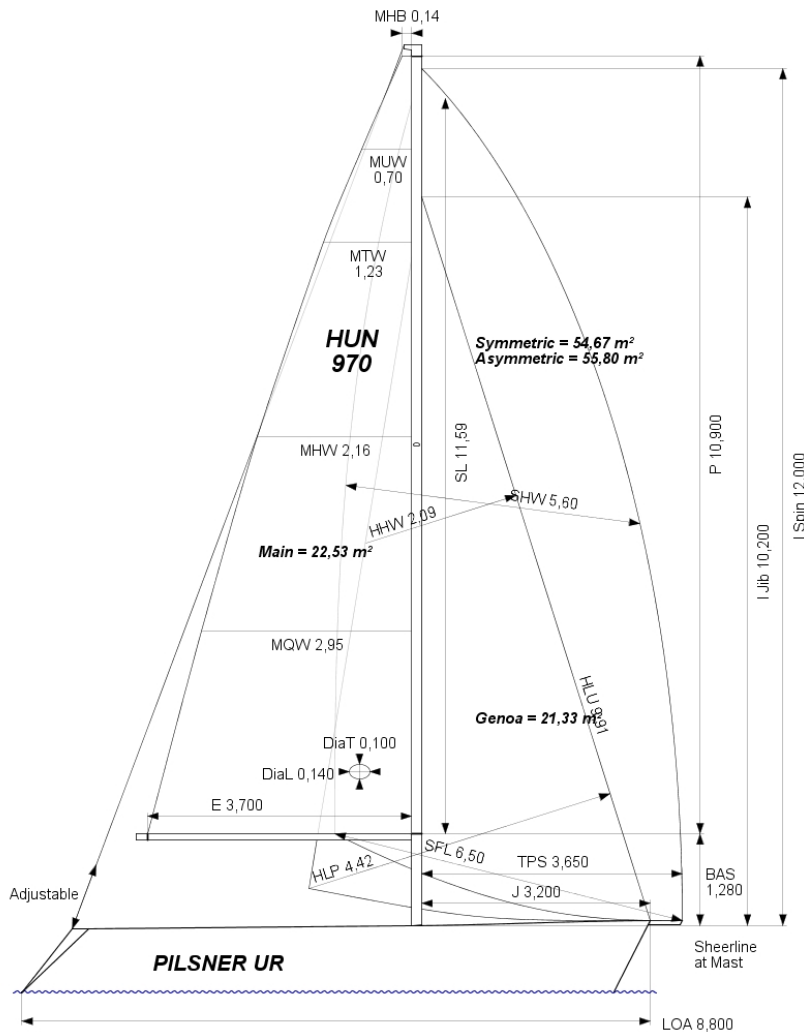
Limit Positive Stab.: **111.6°**
Stability Index: **112.6**

Owner

Zoltán Ligeti
Gödöllő
HUNGARY

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

Signature



BOAT		GPH		HULL		
Name	Pilsner Ur		714.1	Data File	HUN970	
Sail Nr	HUN-970			Offset File	enter28b.off	
				Displacement	3 704kg	
				LOA	8.800m	
				MB	2.970m	
				Draft	1.512m	
CLASS				IMS Division	Cruiser/Racer	
Class	Enter 28			Dynamic All.	0.371%	
Designer	A. Sulkowsky			Fwd Accom.	No	
Builder	A. Sulkowsky			Construction	Solid	
Series	01/1990			Fiber Rigging	No	
Age Date	01/1996			Aramid Core	No	
Age Allowance	0.487%			Carbon Rudder	No	
				Light Stanchions	No	
COMMENTS				IMSL	8.040m	
				VCGD	0.162m	
				Sink	13.33kg/mm	
				RL	6.282m	
				VCGM	0.069m	
				WS	17.93m²	
				LSM0	8.193m	
				Displacement/Length ratio	6.7351	
				Water Ballast	0	
				Trim Tab	No	
				BLR Index	0.0000	
PROPELLER				CENTERBOARD		
Type	No Propeller			N/A		
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	693.9			771.3		
Time on Time	0.8647			0.8751		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	818.5	633.0	562.6	1056.5	778.5	668.0
Time on Time	0.8247	1.0663	1.1998	0.6389	0.8670	1.0105

2019

ORC Club Certificate Appendix

BOAT	
Name Pilsner Ur	Certificate Number 014/19
Sail Nr HUN-970	Issued On 29/05/2019

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1239.7	1036.5	920.4	842.5	803.5	788.0	782.5
52°	804.4	682.1	613.5	581.2	565.1	556.8	552.3
60°	760.3	645.0	590.9	566.6	552.1	542.5	535.5
75°	732.3	623.2	575.7	554.4	539.5	526.7	508.5
90°	711.2	598.2	555.5	534.3	522.3	514.1	492.3
110°	707.7	592.6	551.1	526.8	503.8	482.9	459.4
120°	732.4	608.2	557.1	530.9	507.6	484.1	445.8
135°	802.7	663.2	582.0	548.1	524.5	500.4	455.3
150°	938.0	751.1	642.6	577.1	547.2	525.1	480.5
Run VMG	1083.1	866.5	738.5	650.5	587.7	554.1	510.6
Selected Courses							
Windward / Leeward	1161.4	951.5	829.5	746.5	695.6	671.1	646.5
Circular Random	982.5	794.3	693.1	633.9	597.5	573.9	544.9
Coastal / Long Distance	1153.6	891.3	745.9	654.9	607.1	574.2	521.1
Non Spinnaker	1052.4	843.5	729.3	661.7	619.6	592.5	560.0

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	44.1°	42.2°	41.9°	40.9°	39.9°	39.4°	39.5°
Beat VMG	2.90	3.47	3.91	4.27	4.48	4.57	4.60
52°	4.48	5.28	5.87	6.19	6.37	6.47	6.52
60°	4.73	5.58	6.09	6.35	6.52	6.64	6.72
75°	4.92	5.78	6.25	6.49	6.67	6.83	7.08
90°	5.06	6.02	6.48	6.74	6.89	7.00	7.31
110°	5.09	6.08	6.53	6.83	7.15	7.46	7.84
120°	4.92	5.92	6.46	6.78	7.09	7.44	8.08
135°	4.48	5.43	6.19	6.57	6.86	7.19	7.91
150°	3.84	4.79	5.60	6.24	6.58	6.86	7.49
Run VMG	3.32	4.15	4.87	5.53	6.13	6.50	7.05
Gybe Angles	147.5°	151.9°	153.4°	161.4°	180.0°	180.0°	180.0°