



ORC
Offshore Racing Congress
World leader in rating technology

2020
ORC Club
Certificate

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



Certificate

Number **021/20**
Issued On **13/07/2020**
ORC Ref **03880000MDU**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 467kg
Maximum **420kg**
Minimum* **315kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **704.8 0.8513**
Non Spin OSN **684.5 0.8765**

Sails Limitations

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

Spinnaker configuration

Symmetric: **Yes 70.62**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = 7.579

Stability (Measured)

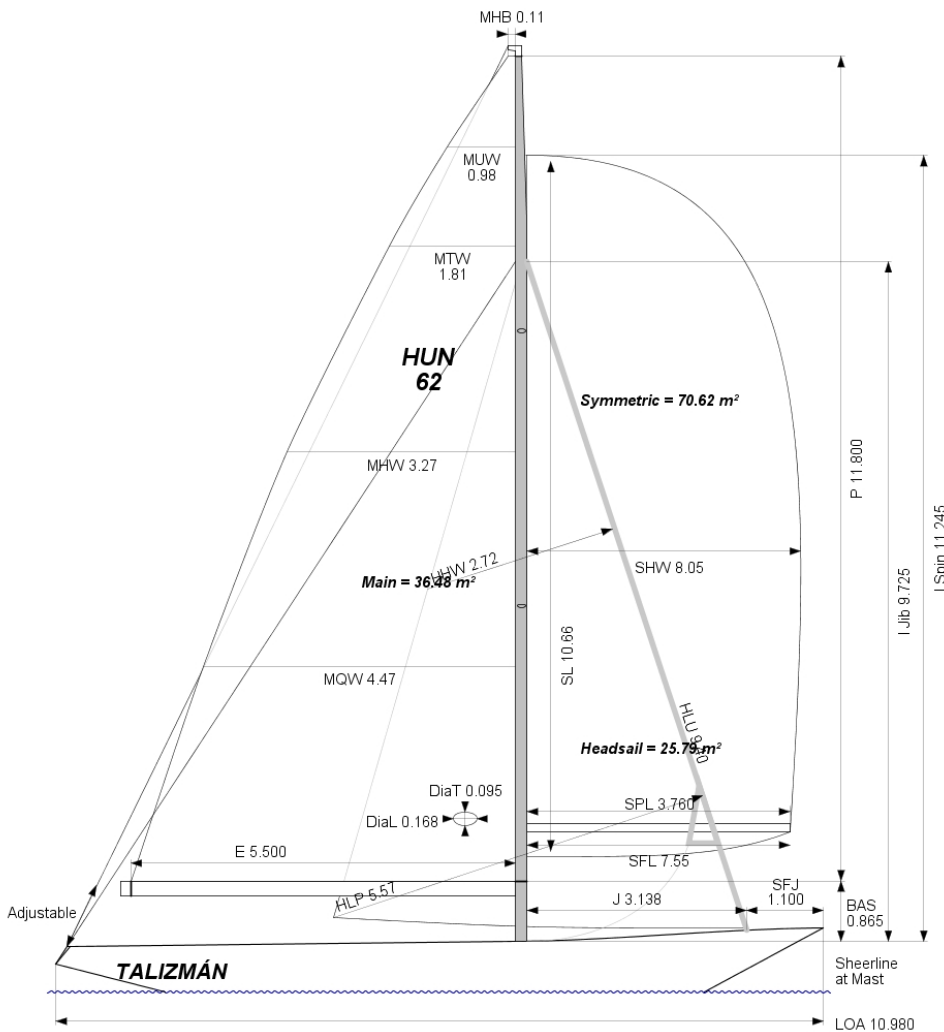
Limit Positive Stab.: **180.0°**
Stability Index: **185.0**

Owner

Südwind Consulting Kft.
Tövis u. 3/b
1022 Budapest
HUNGARY

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

Signature



BOAT		GPH		HULL		
Name Talizmán Sail Nr HUN 6-2		676.5		Data File HUN6-2	LOA 10.980m	
				Offset File TALIZMAN.OFF	MB 1.916m	
				Displacement 4,603kg	Draft 1.745m	
CLASS		IMS Division Performance			Dynamic All. 0.152%	
Class 6mR		Plan Review			Construction Solid	
Designer Olin Stephens		Fiber Rigging No			Aramid Core No	
Builder Balatonfüred SY		Crew Arm Ex			Carbon Rudder No	
Series 01/1941		IMSL 8.223m			VCGD -0.855m	Sink 9.87kg/mm
Age Date 01/1942		RL 6.946m			VCGM -0.717m	WS 20.36m²
Age Allowance 0.487%		LSM0 7.616m			Displacement/Length ratio 10.4198	
COMMENTS		Water Ballast			Trim Tab No	
		BLR Index 0.0000				
PROPELLER		CENTERBOARD				
Installation In Aperture		PRD 0.390				
Type Feathering 3 blades		PBW 0.100				
		PIPA 0.0106				
		N/A				
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	658.4			732.1		
Time on Time	0.9112			0.9220		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	771.0	599.6	539.9	997.3	736.7	638.0
Time on Time	0.8755	1.1257	1.2503	0.6768	0.9162	1.0580

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ORC Club Certificate Appendix

BOAT	
Name Talizmán	Certificate Number 021/20
Sail Nr HUN 6-2	Issued On 13/07/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1128.0	938.6	847.2	801.2	776.5	760.4	743.5
52°	744.7	624.1	570.8	551.0	541.0	535.3	529.9
60°	706.4	595.2	552.8	534.9	526.1	520.6	514.7
75°	675.6	575.9	540.1	522.2	509.8	501.8	493.0
90°	681.3	576.2	536.8	516.8	501.9	489.2	470.0
110°	678.3	563.5	524.2	506.0	495.5	485.0	466.6
120°	698.9	573.4	527.7	503.0	483.1	470.9	452.5
135°	775.0	626.7	547.9	516.9	493.9	471.6	430.7
150°	929.6	734.4	612.1	545.3	516.8	494.9	452.6
Run VMG	1073.4	849.6	706.8	616.3	559.0	525.7	482.6
Selected Courses							
Windward / Leeward	1100.7	894.1	777.0	708.8	667.8	643.1	613.1
Circular Random	928.2	750.5	656.3	602.6	570.3	549.5	522.9
Coastal / Long Distance	1097.9	839.2	700.4	622.0	580.9	550.6	503.7
Non Spinnaker	980.1	787.0	683.1	622.6	585.5	561.5	532.6

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	42.4°	41.3°	42.0°	40.5°	39.8°	39.2°	38.6°
Beat VMG	3.19	3.84	4.25	4.49	4.64	4.73	4.84
52°	4.83	5.77	6.31	6.53	6.65	6.73	6.79
60°	5.10	6.05	6.51	6.73	6.84	6.92	6.99
75°	5.33	6.25	6.67	6.89	7.06	7.17	7.30
90°	5.28	6.25	6.71	6.97	7.17	7.36	7.66
110°	5.31	6.39	6.87	7.11	7.27	7.42	7.72
120°	5.15	6.28	6.82	7.16	7.45	7.64	7.96
135°	4.65	5.74	6.57	6.96	7.29	7.63	8.36
150°	3.87	4.90	5.88	6.60	6.97	7.27	7.95
Run VMG	3.35	4.24	5.09	5.84	6.44	6.85	7.46
Gybe Angles	146.0°	150.5°	149.0°	159.0°	180.0°	180.0°	180.0°