



World Leader in Rating Technology

2018 ORC Club Certificate

Rating Office

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



Certificate

Number **013/18**
Issued On **20/07/2018**
ORC Ref **HUN10015078**
VPP Ver. **2018 1.00**
Valid until **31/12/2018**

Crew Weight

Default 613kg
Maximum **320kg**
Minimum* **235kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	638.2	0.9401
Non Spin OSN	622.0	0.9647

Sails Limitations

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

Spinnaker configuration
Symmetric: **Yes** **92.19**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = 9.004

Stability (Estimated)

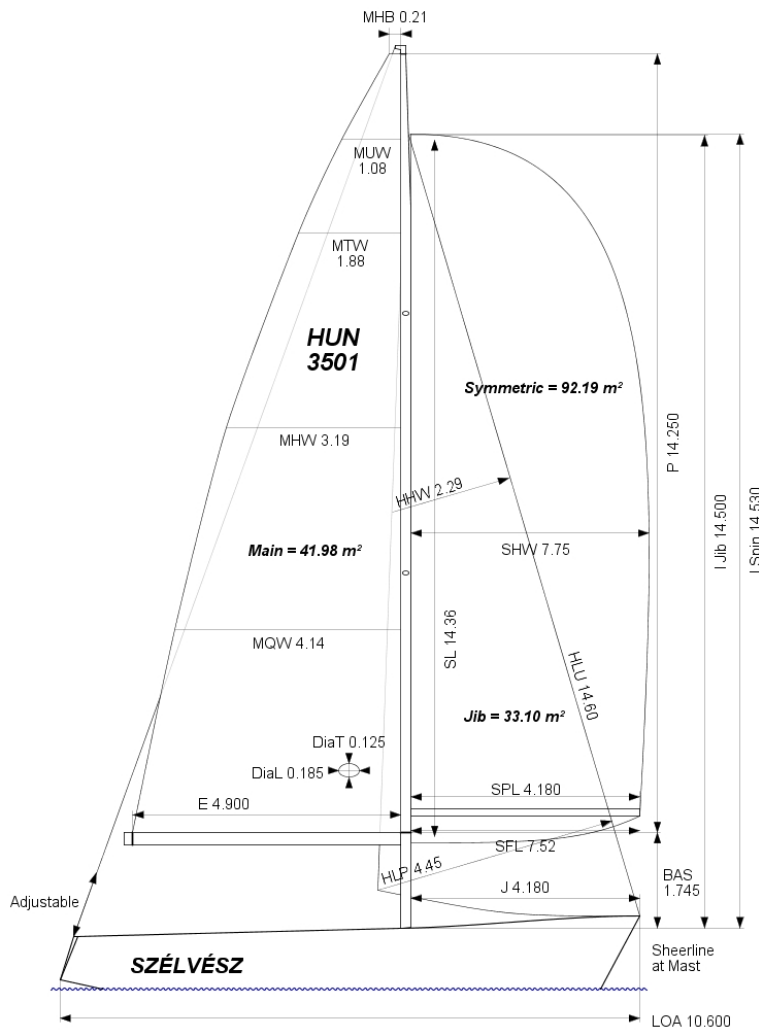
Limit Positive Stab.: **124.3°**
Stability Index: **125.1**

Owner

István Soós
Csallókoz u. 9
1222 Budapest
HUNGARY

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

Signature



BOAT		GPH		HULL			
Name Szélvész Sail Nr HUN-3501		608.8		Data File HUN3501	LOA 10.600m		
				Offset File X35SD.OFF	MB 3.250m		
				Displacement 4,530kg	Draft 1.863m		
				IMS Division Cruiser/Racer	Dynamic All. 0.000%		
				Fwd Accom. Yes	Construction Cored		
				Fiber Rigging No	Aramid Core No		
				Crew Arm Ex	Carbon Rudder No		
					Light Stanchions No		
				IMSL 9.448m	VCGD -0.101m	Sink 17.72kg/mm	
				RL 8.559m	VCGM -0.113m	WS 22.88m²	
				LSM0 9.219m	Displacement/Length ratio 5.7816		
				Water Ballast 0	Trim Tab No		
				BLR Index 0.0000			
CLASS				CENTERBOARD			
Class X-35 SD				N/A			
Designer Jeppesen							
Builder X-Yachts							
Series 01/2005							
Age Date 02/2008							
Age Allowance 0.422%							
COMMENTS							
PROPELLER							
Installation Strut		PRD 0.415					
Type Folding 2 blades		PBW 0.120					
		PIPA 0.0031					
SCORING OPTIONS							
		COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance		594.2			663.0		
Time on Time		1.0097			1.0181		
Triple Number		Low	Medium	High	Low	Medium	High
Time on Distance		681.2	543.8	492.3	875.5	666.0	589.9
Time on Time		0.9909	1.2412	1.3710	0.7710	1.0135	1.1442



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ORC Club Certificate Appendix

BOAT		Certificate Number	013/18
Name	Szélvész	Issued On	20/07/2018
Sail Nr	HUN-3501		

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	982.6	818.2	746.5	721.8	711.5	700.3	700.4
52°	648.0	550.7	516.4	506.2	501.5	498.4	492.5
60°	615.0	531.3	502.9	492.5	487.5	485.0	476.7
75°	591.0	519.1	492.0	476.1	466.6	461.1	455.4
90°	597.0	520.5	490.6	470.5	452.8	439.0	425.7
110°	607.8	514.5	480.1	456.6	442.3	428.8	409.1
120°	625.1	523.5	484.6	456.1	429.5	412.5	388.1
135°	691.1	563.6	505.3	475.4	447.2	419.8	364.6
150°	818.6	654.7	556.3	504.6	476.5	450.3	399.9
Run VMG	945.3	755.9	641.1	569.9	519.3	487.5	437.6
Selected Courses							
Windward / Leeward	963.9	787.1	693.8	645.9	615.4	593.9	569.0
Circular Random	823.9	671.2	591.4	546.3	518.9	500.6	476.2
Coastal / Long Distance	962.1	741.1	628.7	567.1	531.4	501.7	455.1
Non Spinnaker	877.3	708.7	619.1	567.6	536.1	515.5	489.3

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	42.5°	41.1°	39.9°	38.9°	38.6°	38.7°	39.6°
Beat VMG	3.66	4.40	4.82	4.99	5.06	5.14	5.14
52°	5.56	6.54	6.97	7.11	7.18	7.22	7.31
60°	5.85	6.78	7.16	7.31	7.38	7.42	7.55
75°	6.09	6.93	7.32	7.56	7.71	7.81	7.91
90°	6.03	6.92	7.34	7.65	7.95	8.20	8.46
110°	5.92	7.00	7.50	7.88	8.14	8.40	8.80
120°	5.76	6.88	7.43	7.89	8.38	8.73	9.28
135°	5.21	6.39	7.13	7.57	8.05	8.58	9.87
150°	4.40	5.50	6.47	7.13	7.56	8.00	9.00
Run VMG	3.81	4.76	5.62	6.32	6.93	7.38	8.23
Gybe Angles	142.3°	148.4°	151.6°	159.2°	180.0°	180.0°	180.0°