



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 **018/19**
Issued On **09/07/2019**
ORC Ref **HUN10025895**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight

Default 613kg
Maximum **640kg**
Minimum* **480kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	608.7	0.9857
Double H.OSN	599.7	1.0006
Non Spin GPH	635.0	0.9449
Non Spin OSN	618.6	0.9699

Sails Limitations

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

Spinnaker configuration

Symmetric: **Yes** **92.19**
Asymmetric: **No**
Flying H/S: **Yes** **83.25**
Spin. Pole: **Yes**

Class Division Length

CDL = 9.145

Stability (Estimated)

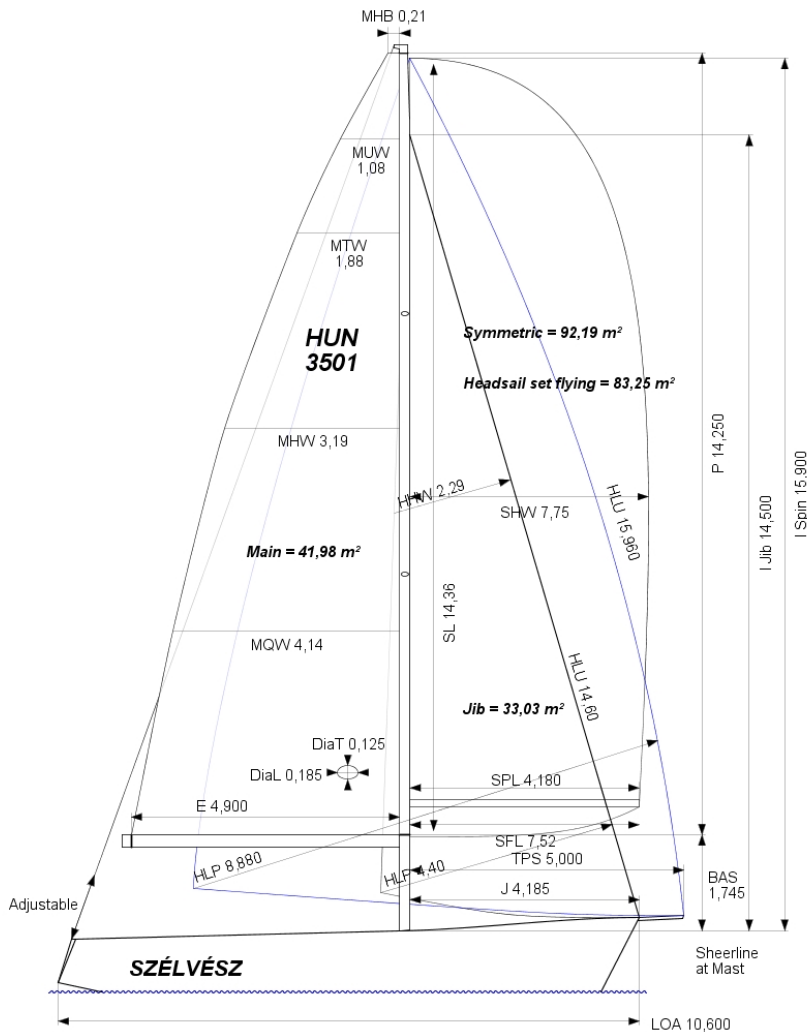
Limit Positive Stab.: **124.0°**
Stability Index: **124.8**

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			Data File	HUN3501	
Sail Nr	HUN-3501			Offset File	x35SD.off	
		598.4		Displacement	4 526kg	
CLASS				LOA	10.600m	
Class	X-35 OD			MB	3.250m	
Designer	JEPPESEN			Draft	1.863m	
Builder	X-YACHTS			IMS Division	Cruiser/Racer	
Series	09/2005			Dynamic All.	0.000%	
Age Date	09/2005			Fwd Accom.	Yes	
Age Allowance	0.455%			Fiber Rigging	No	
COMMENTS				Crew Arm Ex	No	
				Light Stanchions	No	
PROPELLER				IMSL	9.445m	
Installation	Strut	PRD	0.420	VCGM	-0.097m	
Type	Folding 2 blades	PBW	0.128	Sink	17.72kg/mm	
		PIPA	0.0033	RL	8.844m	
				VCGM	-0.109m	
				WS	22.87m²	
				LSM0	9.217m	
				Displacement/Length ratio	5.7802	
				Water Ballast	0	
				Trim Tab	No	
				BLR Index	0.0000	
CENTERBOARD						
				N/A		
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	588.1			658.0		
Time on Time	1.0203			1.0258		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	667.3	536.1	484.3	875.1	659.3	583.6
Time on Time	1.0115	1.2591	1.3938	0.7713	1.0238	1.1566

2019

ORC Club Certificate Appendix

BOAT	
Name Szélvész	Certificate Number 018/19
Sail Nr HUN-3501	Issued On 09/07/2019

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	992.5	823.5	737.7	710.1	699.1	691.6	688.7
52°	651.0	552.1	513.5	501.2	496.2	494.0	487.4
60°	606.1	530.5	501.2	488.0	482.4	479.4	471.2
75°	543.5	499.2	484.3	473.4	460.8	454.3	449.2
90°	525.3	485.4	464.5	451.4	441.4	434.0	417.6
110°	545.5	498.7	471.7	442.0	420.6	403.6	383.4
120°	588.4	513.7	480.1	452.6	425.2	400.0	370.3
135°	682.0	559.5	503.3	473.5	444.8	417.3	359.6
150°	810.5	648.3	552.2	502.7	474.7	448.0	397.2
Run VMG	935.9	748.5	635.8	567.1	517.1	485.9	435.6
Selected Courses							
Windward / Leeward	964.2	786.0	686.7	638.6	608.1	588.8	562.1
Circular Random	805.5	658.8	581.9	538.0	511.0	492.6	466.9
Coastal / Long Distance	961.4	737.7	621.2	559.7	524.6	495.1	446.0
Non Spinnaker	875.2	706.2	615.9	563.8	531.9	510.8	483.3

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	42.6°	41.6°	39.9°	38.6°	38.7°	38.5°	39.4°
Beat VMG	3.63	4.37	4.88	5.07	5.15	5.21	5.23
52°	5.53	6.52	7.01	7.18	7.25	7.29	7.39
60°	5.94	6.79	7.18	7.38	7.46	7.51	7.64
75°	6.62	7.21	7.43	7.60	7.81	7.92	8.01
90°	6.85	7.42	7.75	7.98	8.16	8.29	8.62
110°	6.60	7.22	7.63	8.15	8.56	8.92	9.39
120°	6.12	7.01	7.50	7.95	8.47	9.00	9.72
135°	5.28	6.43	7.15	7.60	8.09	8.63	10.01
150°	4.44	5.55	6.52	7.16	7.58	8.04	9.06
Run VMG	3.85	4.81	5.66	6.35	6.96	7.41	8.26
Gybe Angles	144.5°	148.4°	152.0°	159.6°	180.0°	180.0°	180.0°