



2019 ORC Club Certificate

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

Certificate
Number **025/19**
Issued On **08/07/2019**
ORC Ref **HUN10025893**
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
Zoltan Dobsai
Kiskorosi u. 1
6230 Soltvadkert
HUNGARY

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

Signature

BOAT Name Olsan Sail Nr HUN-3502		GPH 598.4	HULL Data File HUN3502 LOA 10.600m Offset File x35SD.off MB 3.250m Displacement 4 526kg Draft 1.863m			
CLASS Class X-35 OD Designer JEPPESEN Builder X-YACHTS Series 09/2005 Age Date 09/2005 Age Allowance 0.455%		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				
COMMENTS		IMSL 9.445m VCGD -0.097m Sink 17.72kg/mm RL 8.844m VCGM -0.109m WS 22.87m² LSM0 9.217m Displacement/Length ratio 5.7802				
PROPELLER Installation Strut PRD 0.420 Type Folding 2 blades PBW 0.128 PIPA 0.0033		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 Olsan	Certificate Number 025/19
Sail Nr HUN-3502	Issued On 08/07/2019

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°