



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 **026/20**
Issued On **23/07/2020**
ORC Ref **03880000N2K**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

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

Special Scoring

ToD ToT
Non Spin GPH **636.2 0.9431**
Non Spin OSN **619.9 0.9679**

Sails Limitations

Headsails **5** Spinnakers **4**

Spinnaker configuration

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

Class Division Length

CDL = 9.083

Stability (Estimated)

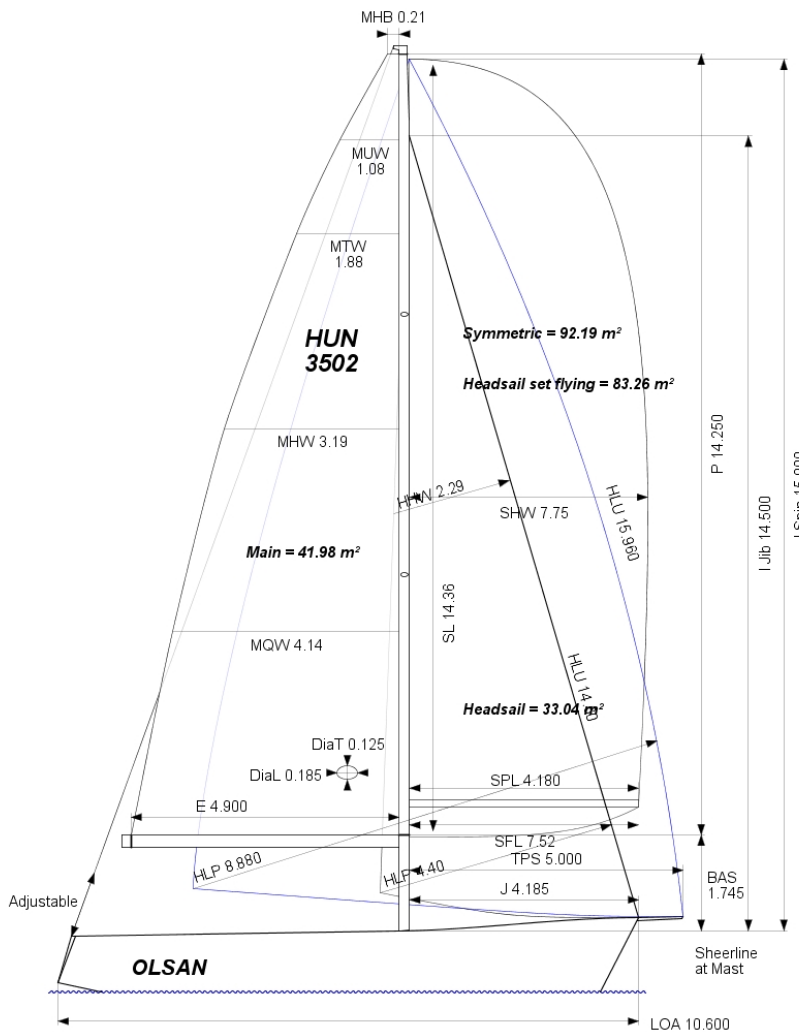
Limit Positive Stab.: **124.0°**
Stability Index: **124.8**

Owner

Zoltan Dobsai
Kiskorosai 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 598.1	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 0.487%		IMS Division Cruiser/Racer Dynamic All. 0.000% Plan Review 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 8.739m 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 Water Ballast Trim Tab No BLR Index 0.0000 N/A				
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	589.3			660.1		
Time on Time	1.0181			1.0226		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	664.6	537.0	485.2	873.7	661.4	586.0
Time on Time	1.0156	1.2569	1.3911	0.7726	1.0206	1.1518

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ORC Club Certificate Appendix

BOAT	
Name Olsan	Certificate Number 026/20
Sail Nr HUN-3502	Issued On 23/07/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	983.0	827.1	741.6	714.3	703.8	696.3	694.2
52°	624.2	548.8	514.4	502.3	497.3	495.1	488.7
60°	576.3	521.2	501.8	488.7	483.2	480.3	472.1
75°	537.0	497.8	482.3	472.8	461.2	454.8	449.7
90°	526.3	486.8	465.3	450.7	439.7	430.7	417.9
110°	548.6	497.1	469.9	444.6	421.9	403.1	380.0
120°	583.1	513.0	483.1	453.2	425.1	403.8	368.5
135°	686.1	559.6	503.3	473.3	444.5	416.8	358.6
150°	810.7	648.2	551.9	502.7	474.5	447.7	396.5
Run VMG	936.1	748.5	635.7	567.0	517.2	485.9	435.2
Selected Courses							
Windward / Leeward	959.5	787.8	688.6	640.7	610.5	591.1	564.7
Circular Random	801.9	657.5	581.9	538.7	511.9	493.5	467.7
Coastal / Long Distance	957.2	738.7	622.9	561.1	525.7	496.4	446.3
Non Spinnaker	876.8	707.5	617.0	564.9	533.0	511.9	484.5

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	45.8°	41.6°	40.1°	39.0°	39.0°	39.0°	39.8°
Beat VMG	3.66	4.35	4.85	5.04	5.12	5.17	5.19
52°	5.77	6.56	7.00	7.17	7.24	7.27	7.37
60°	6.25	6.91	7.17	7.37	7.45	7.50	7.63
75°	6.70	7.23	7.46	7.61	7.81	7.92	8.01
90°	6.84	7.40	7.74	7.99	8.19	8.36	8.61
110°	6.56	7.24	7.66	8.10	8.53	8.93	9.47
120°	6.17	7.02	7.45	7.94	8.47	8.92	9.77
135°	5.25	6.43	7.15	7.61	8.10	8.64	10.04
150°	4.44	5.55	6.52	7.16	7.59	8.04	9.08
Run VMG	3.85	4.81	5.66	6.35	6.96	7.41	8.27
Gybe Angles	144.5°	148.0°	152.0°	159.5°	180.0°	180.0°	180.0°