




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 **24/07/2020**
ORC Ref **0388000N40**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 675kg
Maximum **675kg**
Minimum* **506kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **710.3 0.8447**
Non Spin OSN **686.0 0.8747**

Sails Limitations

Headsails **5** Spinnakers **4**
Woven Polyester

Spinnaker configuration
Symmetric: **Yes 78.54**
Asymmetric: **Yes 92.79**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = 8.434

Stability (Estimated)

Limit Positive Stab.: **114.4°**
Stability Index: **118.1**

Owner

Ferenc Érdi
Budapest
HUNGARY

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

Signature

BOAT Name Triton Sail Nr HUN-1260	GPH 667.7	HULL Data File HUN1260 LOA 9.983m Offset File ELAN340SK.off MB 3.466m Displacement 6,390kg Draft 1.746m
CLASS Class Elan 340 SK Designer Humphreys Builder Elan Series 05/2006 Age Date Age Allowance 0.455%		IMS Division Cruiser/Racer Dynamic All. 0.338% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS		IMSL 9.690m VCGD 0.180m Sink 19.08kg/mm RL 7.176m VCGM 0.058m WS 25.83m² LSM0 9.863m Displacement/Length ratio 6.6600
PROPELLER Installation Strut PRD 0.430 Type Feathering 2 blades PBW 0.120 PIPA 0.0037		Water Ballast Trim Tab No BLR Index 0.0000
		CENTERBOARD N/A

SCORING OPTIONS	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Time on Distance	647.7			722.0	
Time on Time	0.9264			0.9349		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	773.1	589.6	521.3	1002.8	730.1	620.7
Time on Time	0.8731	1.1448	1.2948	0.6731	0.9245	1.0875



ORC

Offshore Racing Congress
World leader in rating technology

2020

ORC Club Certificate Appendix

BOAT	
Name Triton	Certificate Number 026/20
Sail Nr HUN-1260	Issued On 24/07/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1186.1	980.1	866.6	788.2	745.6	730.1	726.5
52°	764.9	646.7	576.0	538.1	520.8	512.9	509.3
60°	720.3	612.1	551.1	523.1	508.3	499.7	494.2
75°	690.8	586.2	534.3	511.3	496.9	485.8	471.2
90°	670.8	561.5	514.2	494.6	486.3	479.9	456.4
110°	661.2	549.3	506.5	484.4	465.6	448.6	430.2
120°	681.2	563.0	512.0	487.8	467.0	446.3	413.2
135°	752.9	616.4	536.4	502.8	481.5	460.4	419.2
150°	889.4	708.1	601.6	534.0	503.5	483.5	444.2
Run VMG	1027.0	817.8	694.2	609.1	552.2	514.5	474.2
Selected Courses							
Windward / Leeward	1106.6	898.9	780.4	698.7	648.9	622.3	600.3
Circular Random	925.8	745.3	647.5	590.1	554.7	532.1	505.8
Coastal / Long Distance	1098.6	841.4	699.2	609.0	562.4	531.2	482.6
Non Spinnaker	1003.4	800.0	687.8	620.7	578.7	551.8	521.0

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	44.6°	42.0°	41.6°	41.3°	40.1°	39.6°	39.6°
Beat VMG	3.04	3.67	4.15	4.57	4.83	4.93	4.96
52°	4.71	5.57	6.25	6.69	6.91	7.02	7.07
60°	5.00	5.88	6.53	6.88	7.08	7.20	7.28
75°	5.21	6.14	6.74	7.04	7.25	7.41	7.64
90°	5.37	6.41	7.00	7.28	7.40	7.50	7.89
110°	5.44	6.55	7.11	7.43	7.73	8.02	8.37
120°	5.29	6.39	7.03	7.38	7.71	8.07	8.71
135°	4.78	5.84	6.71	7.16	7.48	7.82	8.59
150°	4.05	5.08	5.98	6.74	7.15	7.45	8.10
Run VMG	3.51	4.40	5.19	5.91	6.52	7.00	7.59
Gybe Angles	146.0°	150.5°	151.0°	156.0°	174.0°	180.0°	180.0°