




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 **031/19**
Issued On **17/07/2019**
ORC Ref **HUN10025937**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight

Default	675kg
Maximum	675kg
Minimum*	506kg

*when applied by the NoR and SI
Non Manual Pwr **No**

Special Scoring

ToD	ToT
Double H.GPH 679.1	0.8836
Double H.OSN 659.7	0.9096
Non Spin GPH 710.1	0.8450
Non Spin OSN 685.8	0.8749

Sails Limitations
Headsails **5** Spinnakers **3**
Dacron Sails

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

Class Division Length
CDL = **8.446**

Stability (Estimated)
Limit Positive Stab.: **114.2°**
Stability Index: **117.9**

Owner
Ferenc Érdi
Budapest
HUNGARY

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

BOAT		GPH		HULL					
Name Triton		667.4		Data File HUN1260		LOA 9.983m			
Sail Nr HUN-1260				Offset File ELAN340SK.off		MB 3.466m			
				Displacement 6 390kg		Draft 1.746m			
CLASS				IMS Division Cruiser/Racer		Dynamic All. 0.345%			
Class Elan 340 SK				Fwd Accom. Yes		Construction Solid			
Designer Humphreys				Fiber Rigging No		Aramid Core No			
Builder Elan				Crew Arm Ex		Carbon Rudder No			
Series 05/2006						Light Stanchions No			
Age Date				IMSL 9.695m		VCGD 0.180m		Sink 19.08kg/mm	
Age Allowance 0.422%				RL 7.196m		VCGM 0.058m		WS 25.83m²	
COMMENTS				LSM0 9.863m		Displacement/Length ratio		6.6600	
				Water Ballast 0		Trim Tab No			
				BLR Index 0.0000					
PROPELLER				CENTERBOARD					
Installation Strut		PRD 0.430		N/A					
Type Feathering 2 blades		PBW 0.120							
		PIPA 0.0037							
SCORING OPTIONS									
	COASTAL / LONG DISTANCE					WINDWARD / LEEWARD			
Time on Distance	647.4					721.5			
Time on Time	0.9268					0.9356			
Triple Number	Low	Medium	High	Low	Medium	High			
Time on Distance	772.8	589.4	521.0	1002.1	729.8	619.9			
Time on Time	0.8734	1.1452	1.2956	0.6736	0.9249	1.0888			

2019

ORC Club Certificate Appendix

BOAT	
Name Triton	Certificate Number 031/19
Sail Nr HUN-1260	Issued On 17/07/2019

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1183.5	978.5	865.3	787.2	744.0	728.3	724.5
52°	763.9	646.4	575.7	537.8	520.4	512.5	508.8
60°	719.9	612.0	551.0	523.0	508.1	499.4	493.8
75°	690.9	586.4	534.3	511.3	496.8	485.7	471.0
90°	670.8	561.4	514.1	494.4	485.9	480.0	456.5
110°	661.4	549.4	506.5	484.4	465.7	449.1	430.6
120°	681.5	563.3	512.0	487.9	467.2	446.6	413.6
135°	753.7	617.4	536.9	503.0	481.6	460.7	419.7
150°	890.3	708.7	602.1	534.5	503.6	483.7	444.6
Run VMG	1028.0	818.5	694.9	609.6	552.6	514.7	474.5
Selected Courses							
Windward / Leeward	1105.8	898.5	780.1	698.4	648.3	621.5	599.5
Circular Random	925.5	745.0	647.2	589.8	554.4	531.8	505.5
Coastal / Long Distance	1098.0	841.1	699.0	608.8	562.0	530.9	482.5
Non Spinnaker	1003.2	799.8	687.6	620.5	578.5	551.5	520.6

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	44.3°	42.0°	41.5°	41.2°	40.0°	39.4°	39.5°
Beat VMG	3.04	3.68	4.16	4.57	4.84	4.94	4.97
52°	4.71	5.57	6.25	6.69	6.92	7.02	7.07
60°	5.00	5.88	6.53	6.88	7.08	7.21	7.29
75°	5.21	6.14	6.74	7.04	7.25	7.41	7.64
90°	5.37	6.41	7.00	7.28	7.41	7.50	7.89
110°	5.44	6.55	7.11	7.43	7.73	8.02	8.36
120°	5.28	6.39	7.03	7.38	7.71	8.06	8.70
135°	4.78	5.83	6.71	7.16	7.48	7.81	8.58
150°	4.04	5.08	5.98	6.74	7.15	7.44	8.10
Run VMG	3.50	4.40	5.18	5.91	6.51	6.99	7.59
Gybe Angles	145.6°	150.6°	150.7°	156.2°	174.1°	180.0°	180.0°