



World Leader in Rating Technology

2018 ORC Club Certificate

Rating Office

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



Certificate

Number **029/18**
Issued On **24/07/2018**
ORC Ref **HUN10015105**
VPP Ver. **2018 1.00**
Valid until **31/12/2018**

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	711.8	0.8429
Non Spin OSN	685.9	0.8747

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 = 8.461

Stability (Estimated)

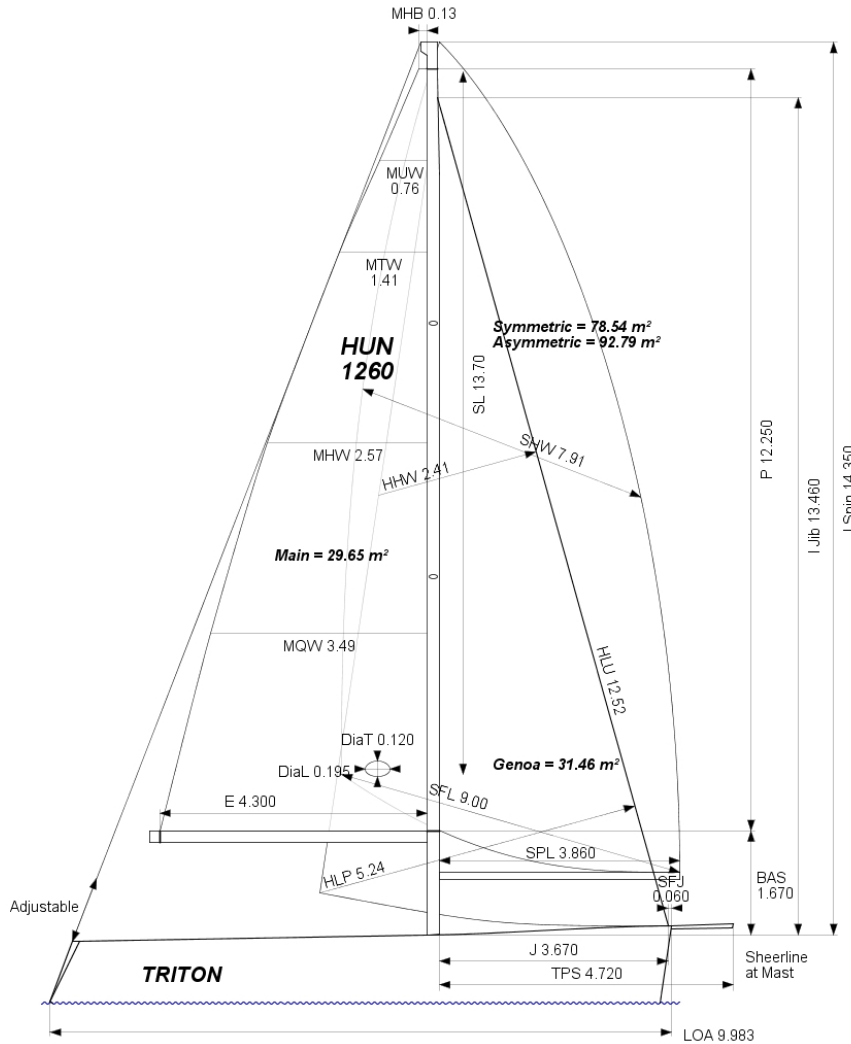
Limit Positive Stab.: **114.2°**
Stability Index: **117.9**

Owner

Ferenc Érdi
Budapest
HUNGARY

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

Signature



BOAT	GPH	HULL
Name Triton Sail Nr HUN-1260	668.5	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 0.390%		IMS Division Cruiser/Racer Dynamic All. 0.344% Fwd Accom. Yes Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS		IMSL 9.695m VCGD 0.180m Sink 19.08kg/mm RL 7.225m VCGM 0.058m WS 25.83m² LSMO 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 0 Trim Tab No BLR Index 0.0000
SCORING OPTIONS		CENTERBOARD N/A
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	647.2	720.9
Time on Time	0.9271	0.9363
Triple Number	Low Medium High	Low Medium High
Time on Distance	776.7 589.6 520.5	1003.6 729.3 619.0
Time on Time	0.8691 1.1449 1.2969	0.6726 0.9255 1.0904



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ORC Club Certificate Appendix

BOAT	
Name Triton	Certificate Number 029/18
Sail Nr HUN-1260	Issued On 24/07/2018

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1187.1	978.8	865.3	785.6	742.5	726.7	722.7
52°	774.9	654.0	577.6	537.4	520.0	512.1	508.4
60°	734.0	622.6	553.5	522.6	507.8	499.1	493.5
75°	704.2	597.0	537.5	511.9	496.6	485.5	470.8
90°	677.8	561.9	513.9	494.3	485.7	478.8	456.4
110°	666.0	551.5	506.5	484.3	465.6	448.7	430.3
120°	685.3	566.1	512.8	488.1	467.0	446.5	413.4
135°	755.9	618.8	537.5	503.3	481.9	461.1	419.6
150°	891.6	709.0	602.4	534.2	503.6	483.6	444.6
Run VMG	1029.6	818.8	695.1	609.5	552.4	514.6	474.4
Selected Courses							
Windward / Leeward	1108.3	898.8	780.2	697.5	647.5	620.6	598.5
Circular Random	929.3	747.0	648.1	590.0	554.2	531.4	505.0
Coastal / Long Distance	1100.5	842.0	699.4	608.3	561.5	530.3	482.2
Non Spinnaker	1007.7	802.5	689.1	621.0	578.5	551.3	520.1

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	43.4°	41.5°	41.0°	41.3°	40.1°	39.3°	39.3°
Beat VMG	3.03	3.68	4.16	4.58	4.85	4.95	4.98
52°	4.65	5.50	6.23	6.70	6.92	7.03	7.08
60°	4.90	5.78	6.50	6.89	7.09	7.21	7.29
75°	5.11	6.03	6.70	7.03	7.25	7.42	7.65
90°	5.31	6.41	7.01	7.28	7.41	7.52	7.89
110°	5.41	6.53	7.11	7.43	7.73	8.02	8.37
120°	5.25	6.36	7.02	7.38	7.71	8.06	8.71
135°	4.76	5.82	6.70	7.15	7.47	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	6.52	7.00	7.59
Gybe Angles	146.1°	150.8°	151.0°	156.2°	173.8°	180.0°	180.0°