



World Leader in Rating Technology

2018 ORC Club Certificate

Rating Office

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



Certificate

Number **033/18**
Issued On **16/08/2018**
ORC Ref **HUN10015299**
VPP Ver. **2018 1.00**
Valid until **31/12/2018**

Crew Weight

Default	388kg
Maximum	360kg
Minimum*	270kg

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

Special Scoring

	ToD	ToT
Non Spin GPH	670.2	0.8953
Non Spin OSN	650.6	0.9222

Sails Limitations

Headsails **5** Spinnakers **3**

Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes** 64.53
Flying H/S: **No**
Spin. Pole: **No**

Class Division Length

CDL = **7.504**

Stability (Estimated)

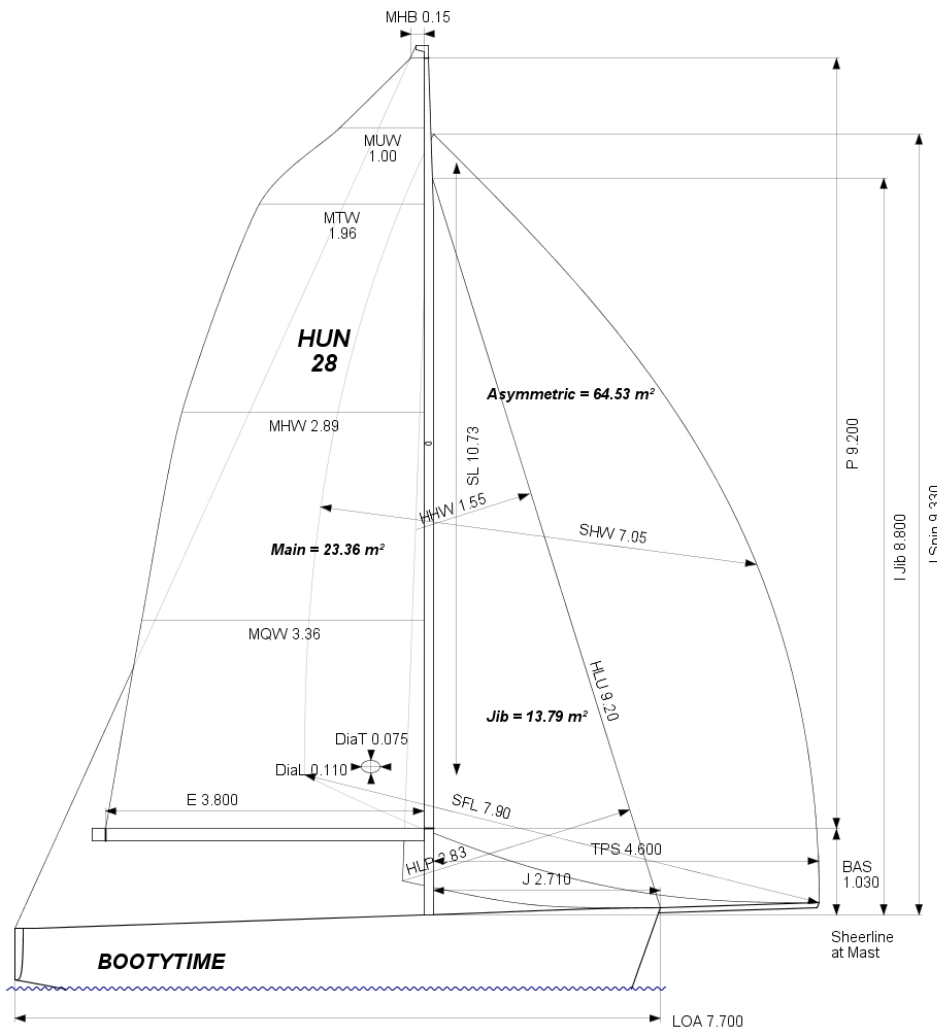
Limit Positive Stab.: **121.9°**
Stability Index: **113.8**

Owner

Koncz Ádám
Rozmaring u. 10
8200 Veszprém
HUNGARY

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

Signature



BOAT	GPH	HULL
Name Bootytime Sail Nr HUN-28	627.7	Data File HUN28 LOA 7.700m Offset File E770-170.off MB 2.544m Displacement 1,081kg Draft 1.700m
CLASS Class Elliott 770 Designer Elliott Builder Pannonyacht Ltd. Series 01/1995 Age Date 01/2005 Age Allowance 0.487%		IMS Division Sportboat Dynamic All. 0.000% Fwd Accom. No Construction Cored Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions
COMMENTS		IMSL 7.316m VCGD -0.136m Sink 8.45kg/mm RL 7.691m VCGM -0.191m WS 10.62m² LSM0 6.690m Displacement/Length ratio 3.6103
PROPELLER Type No Propeller		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD N/A
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	610.6	688.5
Time on Time	0.9827	0.9804
Triple Number	Low Medium High	Low Medium High
Time on Distance	703.2 563.5 492.7	898.8 697.0 603.2
Time on Time	0.9599 1.1978 1.3699	0.7510 0.9684 1.1191



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ORC Club Certificate Appendix

BOAT		Certificate Number	033/18
Name	Bootytime	Issued On	16/08/2018
Sail Nr	HUN-28		

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1033.7	846.1	779.9	761.4	755.5	743.0	753.1
52°	680.5	584.7	558.0	548.1	543.1	535.1	530.5
60°	644.4	570.4	541.0	526.8	519.2	512.6	501.2
75°	620.7	559.9	520.7	493.5	480.6	473.1	454.3
90°	616.2	552.3	518.6	479.0	449.5	432.9	418.2
110°	606.8	534.4	486.6	459.0	433.3	410.9	362.3
120°	621.0	541.4	483.7	438.5	410.4	385.8	342.9
135°	698.7	574.9	515.9	461.8	407.3	357.3	296.5
150°	828.0	657.7	572.9	520.7	473.2	421.8	316.7
Run VMG	956.1	759.4	661.8	601.2	546.5	487.1	365.8
Selected Courses							
Windward / Leeward	994.9	802.7	720.9	681.3	651.0	615.0	559.4
Circular Random	851.1	694.0	610.7	561.3	528.1	502.8	463.6
Coastal / Long Distance	991.0	758.3	653.6	589.4	547.0	505.2	438.2
Non Spinnaker	925.1	746.4	650.5	594.1	557.8	532.0	495.1

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	42.3°	40.5°	37.8°	37.0°	36.8°	36.5°	37.8°
Beat VMG	3.48	4.25	4.62	4.73	4.76	4.85	4.78
52°	5.29	6.16	6.45	6.57	6.63	6.73	6.79
60°	5.59	6.31	6.65	6.83	6.93	7.02	7.18
75°	5.80	6.43	6.91	7.29	7.49	7.61	7.92
90°	5.84	6.52	6.94	7.52	8.01	8.32	8.61
110°	5.93	6.74	7.40	7.84	8.31	8.76	9.94
120°	5.80	6.65	7.44	8.21	8.77	9.33	10.50
135°	5.15	6.26	6.98	7.80	8.84	10.07	12.14
150°	4.35	5.47	6.28	6.91	7.61	8.53	11.37
Run VMG	3.77	4.74	5.44	5.99	6.59	7.39	9.84
Gybe Angles	143.8°	147.4°	150.6°	148.8°	145.9°	144.0°	141.7°