

Rating Office

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



Certificate

Number **002/19**
Issued On **29/03/2019**
ORC Ref **HUN10024075**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight

Default 469kg
Maximum **400kg**
Minimum* **300kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	733.0	0.8186
Non Spin OSN	710.8	0.8441

Sails Limitations

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

Spinnaker configuration

Symmetric: **Yes 55.37**
Asymmetric: **Yes 50.31**
Flying H/S: **Yes 27.06**
Spin. Pole: **Yes**

Class Division Length

CDL = 7.070

Stability (Estimated)

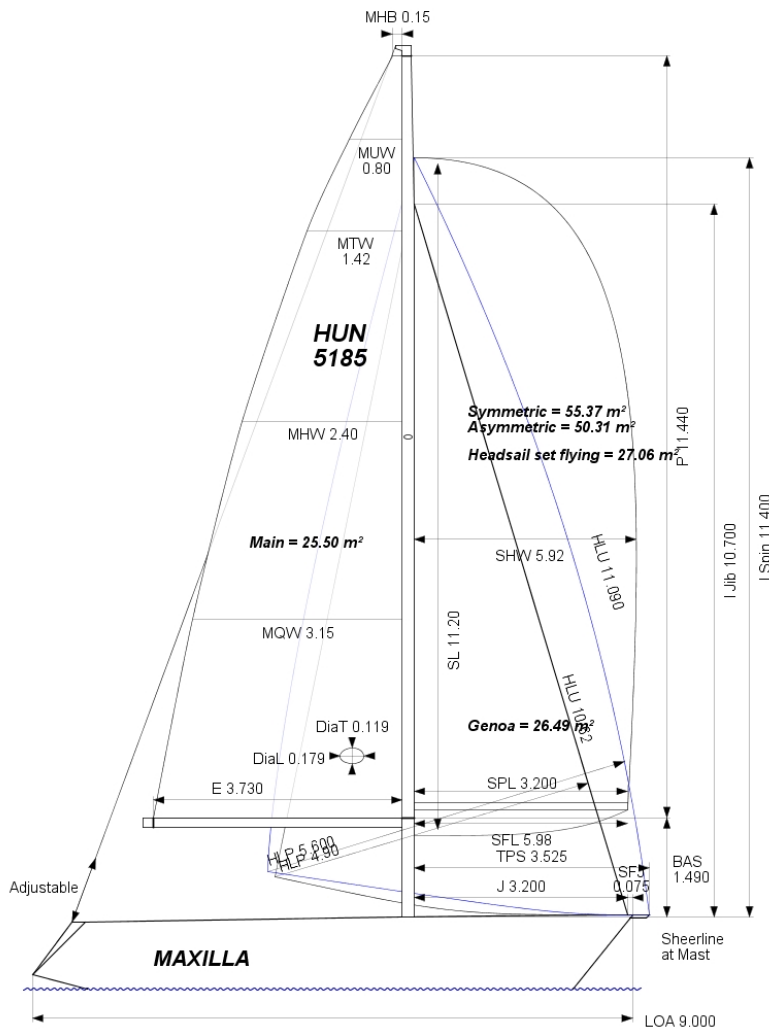
Limit Positive Stab.: **122.2°**
Stability Index: **121.3**

Owner

Béla Pető
Nagy-Eged út 67
Eger
Hungary

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

Signature



BOAT		GPH	HULL			
Name Maxilla	Sail Nr HUN-5185	705.6	Data File HUN5185	LOA 9.000m		
			Offset File MAXI900.OFF	MB 3.096m		
			Displacement 3,690kg	Draft 1.738m		
CLASS			IMS Division Cruiser/Racer	Dynamic All. 0.356%		
Class Maxi 900 mod.	Designer Doug Petterson		Fwd Accom. Yes	Construction Solid		
Builder Maxi Yachts	Series 01/1986		Fiber Rigging No	Aramid Core No		
Age Date 06/1994	Age Allowance 0.487%		Crew Arm Ex	Carbon Rudder No		
				Light Stanchions No		
COMMENTS			IMSL 7.600m	VCGD -0.013m	Sink 12.88kg/mm	
			RL 6.539m	VCGM -0.002m	WS 18.65m²	
			LSM0 7.641m	Displacement/Length ratio 8.2713		
			Water Ballast 0	Trim Tab No		
			BLR Index 0.0000			
PROPELLER			CENTERBOARD			
Installation Strut	PRD 0.370		NA			
Type Folding 2 blades	PIPA 0.0031					
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	687.5			766.8		
Time on Time	0.8728			0.8803		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	800.9	626.6	568.0	1035.0	769.1	680.6
Time on Time	0.8428	1.0773	1.1883	0.6522	0.8776	0.9918

2019

ORC Club Certificate Appendix

BOAT	
Name Maxilla	Certificate Number 002/19
Sail Nr HUN-5185	Issued On 29/03/2019

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1173.5	986.1	878.4	825.8	811.0	807.7	826.9
52°	767.8	650.7	594.0	574.0	566.5	563.5	562.3
60°	720.0	615.4	574.7	557.2	549.5	545.4	543.4
75°	679.1	592.6	561.4	543.5	530.5	521.6	514.5
90°	688.3	595.9	556.2	534.2	518.4	501.4	484.3
110°	713.6	596.2	552.9	526.8	503.6	483.9	461.8
120°	739.5	610.5	559.2	531.8	506.9	483.8	449.1
135°	816.6	668.5	584.8	549.5	524.1	499.4	456.5
150°	954.9	761.1	647.1	579.6	548.2	524.5	479.4
Run VMG	1102.6	878.0	743.8	651.4	588.2	554.3	508.1
Selected Courses							
Windward / Leeward	1138.0	932.0	811.1	738.6	699.6	681.0	667.5
Circular Random	963.1	781.3	684.8	630.0	597.5	577.7	556.2
Coastal / Long Distance	1134.5	874.8	731.8	649.2	608.2	576.7	526.4
Non Spinnaker	1013.3	816.3	710.5	649.7	613.3	591.2	568.2

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	42.4°	41.3°	41.3°	40.2°	39.7°	39.7°	41.0°
Beat VMG	3.07	3.65	4.10	4.36	4.44	4.46	4.35
52°	4.69	5.53	6.06	6.27	6.35	6.39	6.40
60°	5.00	5.85	6.26	6.46	6.55	6.60	6.62
75°	5.30	6.08	6.41	6.62	6.79	6.90	7.00
90°	5.23	6.04	6.47	6.74	6.95	7.18	7.43
110°	5.05	6.04	6.51	6.83	7.15	7.44	7.79
120°	4.87	5.90	6.44	6.77	7.10	7.44	8.02
135°	4.41	5.38	6.16	6.55	6.87	7.21	7.89
150°	3.77	4.73	5.56	6.21	6.57	6.86	7.51
Run VMG	3.26	4.10	4.84	5.53	6.12	6.49	7.09
Gybe Angles	147.4°	152.0°	153.4°	163.7°	180.0°	180.0°	180.0°