



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 **014/20**
Issued On **22/06/2020**
ORC Ref **03880000L66**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

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 **733.4 0.8181**
Non Spin OSN **711.5 0.8433**

Sails Limitations

Headsails **5** Spinnakers **4**

Spinnaker configuration

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

Class Division Length

CDL = 7.060

Stability (Estimated)

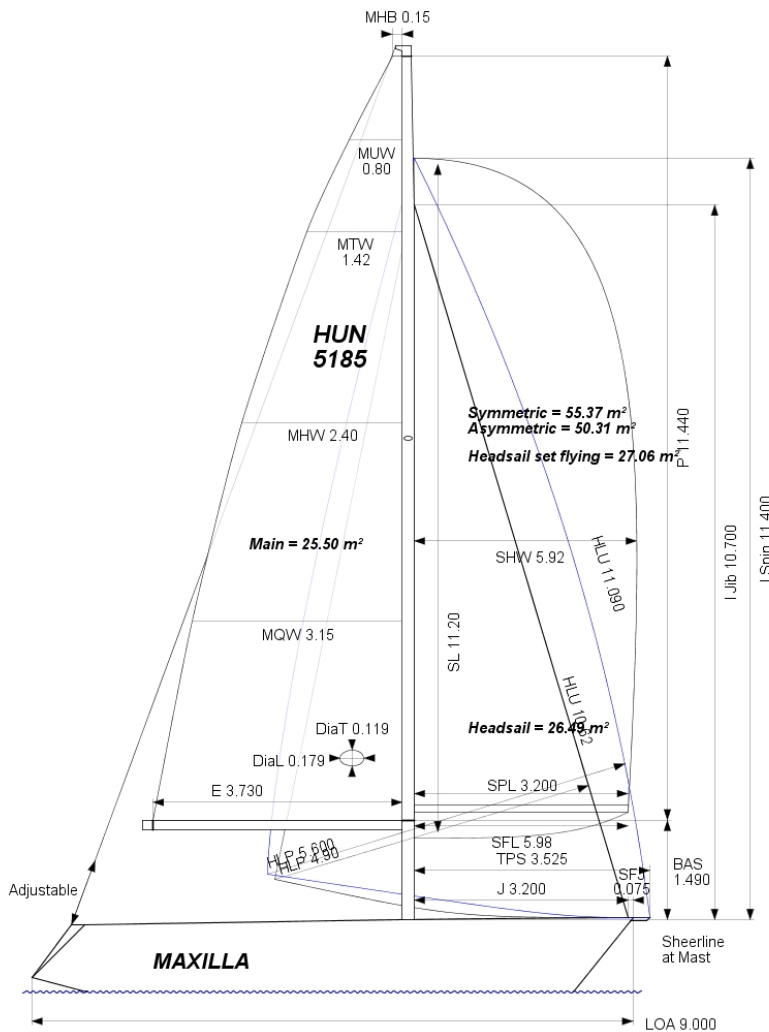
Limit Positive Stab.: **122.2°**
Stability Index: **121.3**

Owner

Béla Pető
Nagy-Eged út 67
Eger
Hungary

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

Signature



BOAT Name Maxilla Sail Nr HUN-5185		GPH 704.8	HULL Data File HUN5185 LOA 9.000m Offset File MAXI900.OFF MB 3.096m Displacement 3,690kg Draft 1.738m			
CLASS Class Maxi 900 mod. Designer Doug Petterson Builder Maxi Yachts Series 01/1986 Age Date 06/1994 Age Allowance 0.487%		IMS Division Cruiser/Racer Dynamic All. 0.329% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No			Special Scoring ToD ToT Non Spin GPH 733.4 0.8181 Non Spin OSN 711.5 0.8433	
COMMENTS		IMSL 7.600m VCGD -0.013m Sink 12.88kg/mm RL 6.526m VCGM -0.002m WS 18.65m² LSM0 7.641m Displacement/Length ratio 8.2713			Sails Limitations Headsails 5 Spinnakers 4	
PROPELLER Installation Strut PRD 0.370 Type Folding 2 blades PIPA 0.0031		Water Ballast Trim Tab No BLR Index 0.0000			Spinnaker configuration Symmetric: Yes 55.37 Asymmetric: Yes 50.31 Flying H/S: Yes 27.06 Spin. Pole: Yes	
SCORING OPTIONS		CENTERBOARD N/A			Class Division Length CDL = 7.060	
Time on Distance	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	686.8			766.2		
Time on Time	0.8736			0.8810		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	800.1	626.0	565.8	1035.4	769.1	677.5
Time on Time	0.8436	1.0783	1.1930	0.6519	0.8776	0.9963



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ORC Club Certificate Appendix

BOAT	
Name Maxilla	Certificate Number 014/20
Sail Nr HUN-5185	Issued On 22/06/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1176.0	988.6	881.3	826.6	809.4	804.1	816.4
52°	771.1	656.6	596.6	573.0	563.5	559.6	558.5
60°	728.3	622.2	578.2	558.1	546.9	541.9	539.8
75°	694.4	600.5	564.3	546.5	532.1	521.2	513.3
90°	674.3	582.0	548.6	527.8	512.0	502.4	487.9
110°	699.4	591.5	552.0	526.6	503.3	483.2	454.8
120°	736.2	609.9	558.9	531.5	506.5	483.3	448.6
135°	815.1	667.4	584.3	549.2	523.7	498.9	455.9
150°	953.0	759.7	645.9	579.2	547.9	524.1	478.9
Run VMG	1100.4	876.5	742.5	650.5	587.6	553.9	507.6
Selected Courses							
Windward / Leeward	1138.2	932.5	811.9	738.5	698.5	679.0	662.0
Circular Random	962.3	780.6	684.1	629.0	596.1	575.7	552.5
Coastal / Long Distance	1134.4	874.7	732.1	648.6	606.3	575.2	525.0
Non Spinnaker	1013.2	816.4	710.9	650.3	614.1	592.2	569.4

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	42.8°	41.4°	41.4°	40.5°	39.9°	40.5°	41.8°
Beat VMG	3.06	3.64	4.08	4.36	4.45	4.48	4.41
52°	4.67	5.48	6.03	6.28	6.39	6.43	6.45
60°	4.94	5.79	6.23	6.45	6.58	6.64	6.67
75°	5.18	6.00	6.38	6.59	6.77	6.91	7.01
90°	5.34	6.19	6.56	6.82	7.03	7.17	7.38
110°	5.15	6.09	6.52	6.84	7.15	7.45	7.92
120°	4.89	5.90	6.44	6.77	7.11	7.45	8.03
135°	4.42	5.39	6.16	6.56	6.87	7.22	7.90
150°	3.78	4.74	5.57	6.22	6.57	6.87	7.52
Run VMG	3.27	4.11	4.85	5.53	6.13	6.50	7.09
Gybe Angles	147.5°	152.0°	153.0°	164.0°	180.0°	180.0°	180.0°