



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 **017/20**
Issued On **03/07/2020**
ORC Ref **03880000LTU**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 1,145kg
Maximum **1,145kg**
Minimum* **859kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **632.7 0.9483**
Non Spin OSN **612.4 0.9797**

Sails Limitations

Headsails **7** Spinnakers **0**

Spinnaker configuration

Symmetric: **No**
Asymmetric: **No**
Flying H/S: **Yes 106.62**
Spin. Pole: **No**

Class Division Length

CDL = 11.732

Stability (Estimated)

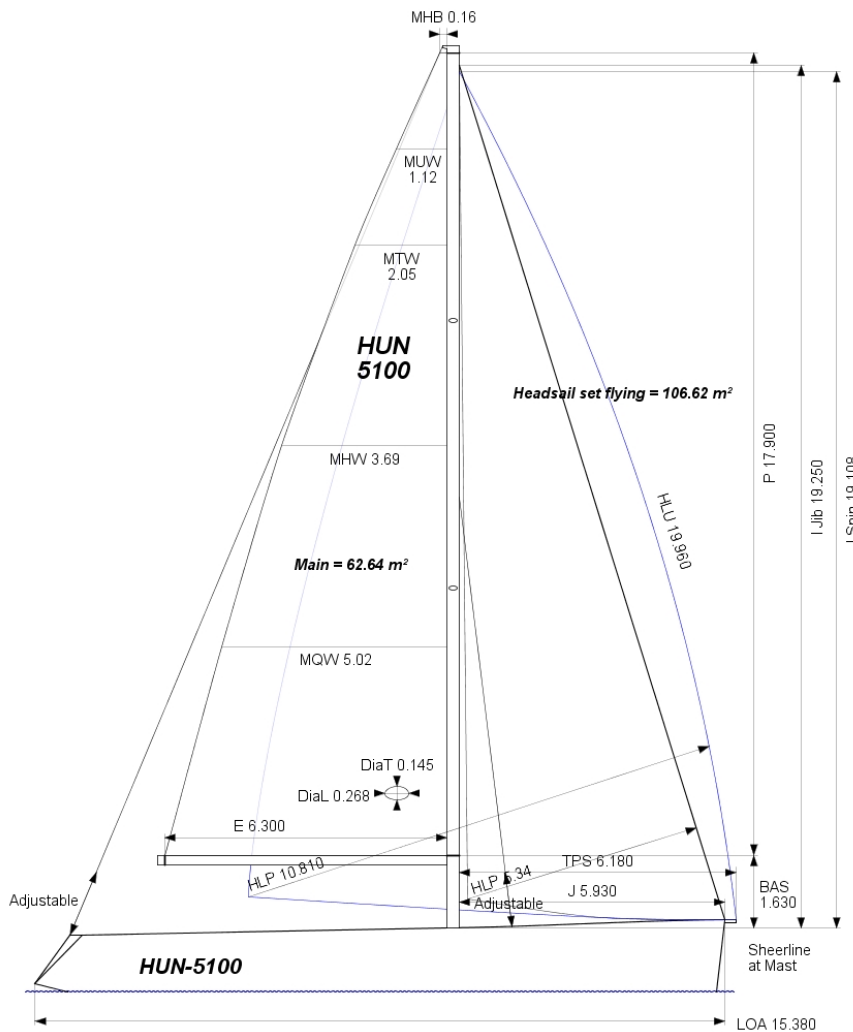
Limit Positive Stab.: **108.2°**
Stability Index: **116.5**

Owner

Hát szél VSE
8220 Balatonalmádi
Mandula u. 11

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

Signature



BOAT Name HUN-5100 Sail Nr HUN-5100		GPH 588.7	HULL Data File HUN-5100 LOA 15.380m Offset File j51sd ap.off MB 4.702m Displacement 16,101kg Draft 1.757m			
CLASS Class Jenneau 51 Designer Briand Builder JEANNEAU Series 12/2016 Age Date Age Allowance 0.130%		IMS Division Cruiser/Racer Dynamic All. 0.365% Plan Review Construction Cored Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No				
COMMENTS 16100Kg SD model 1.73 draft		IMSL 14.264m VCGD 0.200m Sink 41.19kg/mm RL 9.211m VCGM 0.173m WS 52.06m² LSM0 14.290m Displacement/Length ratio 5.5177				
PROPELLER Installation Strut PRD 0.450 Type Feathering 3 blades PBW 0.112 PIPA 0.0041		CENTERBOARD Water Ballast Trim Tab No BLR Index 0.0000 N/A				
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	574.4			658.5		
Time on Time	1.0445			1.0250		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	695.7	516.3	448.6	926.9	664.5	559.2
Time on Time	0.9703	1.3073	1.5047	0.7282	1.0158	1.2071



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ORC Club Certificate Appendix

BOAT	
Name HUN-5100	Certificate Number 017/20
Sail Nr HUN-5100	Issued On 03/07/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1061.9	867.3	760.6	695.7	661.9	642.8	633.9
52°	662.0	546.8	481.2	448.2	432.9	425.1	418.3
60°	603.6	503.4	449.0	424.8	414.1	408.1	402.1
75°	549.1	466.1	427.5	409.7	398.8	392.1	385.4
90°	544.7	465.4	426.4	407.7	395.1	384.1	366.3
110°	608.6	506.0	441.7	411.4	393.4	377.1	345.6
120°	646.0	523.0	452.1	417.1	397.7	380.8	346.0
135°	727.9	577.5	492.3	439.3	412.2	395.1	362.4
150°	865.0	675.3	567.7	498.4	452.0	425.1	396.1
Run VMG	998.8	779.8	655.6	575.5	521.9	490.9	425.6
Selected Courses							
Windward / Leeward	1030.4	823.5	708.1	635.6	591.9	566.9	529.7
Circular Random	829.0	661.8	570.1	515.6	481.5	459.0	430.2
Coastal / Long Distance	1027.2	767.2	625.4	536.9	490.0	456.8	405.8
Non Spinnaker	916.6	721.2	611.4	544.3	501.5	473.5	441.0

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	48.4°	47.1°	46.5°	45.4°	44.4°	43.5°	43.1°
Beat VMG	3.39	4.15	4.73	5.17	5.44	5.60	5.68
52°	5.44	6.58	7.48	8.03	8.32	8.47	8.61
60°	5.96	7.15	8.02	8.47	8.69	8.82	8.95
75°	6.56	7.72	8.42	8.79	9.03	9.18	9.34
90°	6.61	7.74	8.44	8.83	9.11	9.37	9.83
110°	5.92	7.12	8.15	8.75	9.15	9.55	10.42
120°	5.57	6.88	7.96	8.63	9.05	9.45	10.41
135°	4.95	6.23	7.31	8.19	8.73	9.11	9.93
150°	4.16	5.33	6.34	7.22	7.97	8.47	9.09
Run VMG	3.60	4.62	5.49	6.26	6.90	7.33	8.46
Gybe Angles	143.0°	146.0°	147.5°	147.8°	148.8°	150.0°	180.0°