



ORC

Offshore Racing Congress
World leader in rating technology

**2019
ORC Club
Certificate**

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



Certificate

Number **029/19**
Issued On **12/07/2019**
ORC Ref **HUN10025924**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight

Default 591kg
Maximum **591kg**
Minimum* **443kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	617.9	0.9711
Double H.OSN	604.0	0.9934
Non Spin GPH	647.9	0.9261
Non Spin OSN	628.2	0.9551

Sails Limitations

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

Asymmetric on centerline

Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes** **106.32**
Flying H/S: **No**
Spin. Pole: **No**

Class Division Length

CDL = 8.900

Stability (Estimated)

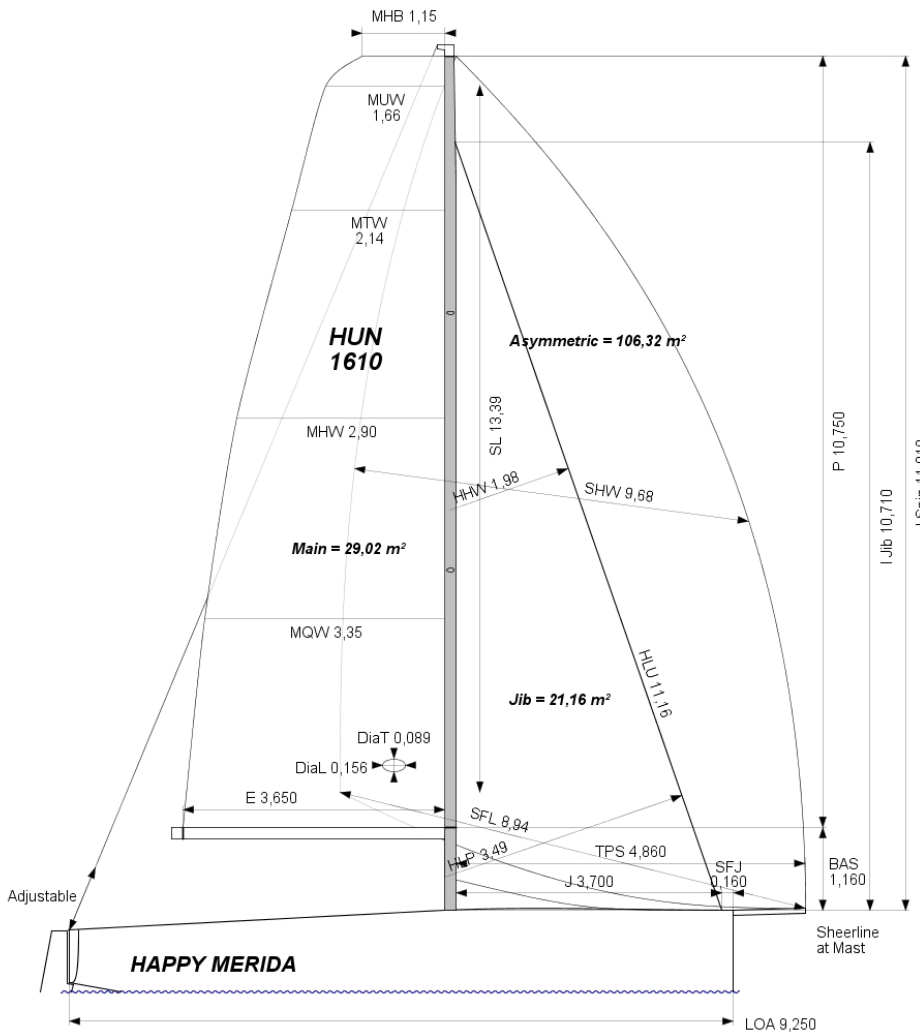
Limit Positive Stab.: **123.1°**
Stability Index: **121.9**

Owner

Medgyesi Csaba
1221, Bp. Ringlo u. 21

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

Signature



BOAT		GPH		HULL		
Name	HAPPY MERIDA		598.3	Data File	HUN1610 LOA 9.250m	
Sail Nr	HUN-1610			Offset File	Luka30.off MB 2.528m	
				Displacement	2 127kg Draft 1.887m	
CLASS						
Class	L-30 OD					
Designer	Justin A.					
Builder	Ocean Tec					
Series	12/2014					
Age Date	11/2015					
Age Allowance	0.163%					
COMMENTS						
PROPELLER		CENTERBOARD				
Installation	Strut	PRD	0.380	Water Ballast 0 Trim Tab No		
Type	Folding 2 blades	PBW	0.095	BLR Index 0.0000		
		PIPA	0.0033	N/A		
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	581.0			655.2		
Time on Time	1.0327			1.0302		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	684.6	531.2	466.0	883.7	658.6	570.4
Time on Time	0.9860	1.2708	1.4484	0.7638	1.0249	1.1834



2019

ORC Club Certificate Appendix

BOAT			
Name	HAPPY MERIDA	Certificate Number	029/19
Sail Nr	HUN-1610	Issued On	12/07/2019

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1047.0	848.6	747.2	721.3	713.1	701.9	706.0
52°	682.9	562.1	516.6	505.3	500.8	496.7	491.3
60°	643.8	539.5	502.6	488.7	482.7	479.8	468.1
75°	614.4	525.4	491.1	463.0	449.4	442.5	427.9
90°	606.4	519.3	490.5	458.4	426.1	407.5	395.0
110°	584.1	498.8	462.0	438.5	416.2	395.0	355.3
120°	594.8	502.9	454.2	418.1	394.7	374.9	337.8
135°	670.6	532.5	479.5	432.4	383.6	340.5	295.6
150°	794.2	625.5	532.1	482.3	442.7	397.5	311.0
Run VMG	917.0	722.3	615.0	557.0	511.2	459.0	359.1
Selected Courses							
Windward / Leeward	982.0	785.5	681.1	639.2	612.1	580.5	532.5
Circular Random	825.0	665.6	580.6	530.9	498.8	475.5	441.4
Coastal / Long Distance	975.5	737.7	616.3	554.1	515.4	478.0	418.1
Non Spinnaker	913.2	727.8	627.2	568.1	530.9	505.6	471.3

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	43.3°	42.1°	40.3°	39.0°	39.0°	39.0°	39.9°
Beat VMG	3.44	4.24	4.82	4.99	5.05	5.13	5.10
52°	5.27	6.40	6.97	7.12	7.19	7.25	7.33
60°	5.59	6.67	7.16	7.37	7.46	7.50	7.69
75°	5.86	6.85	7.33	7.78	8.01	8.13	8.41
90°	5.94	6.93	7.34	7.85	8.45	8.83	9.11
110°	6.16	7.22	7.79	8.21	8.65	9.11	10.13
120°	6.05	7.16	7.93	8.61	9.12	9.60	10.66
135°	5.37	6.76	7.51	8.33	9.38	10.57	12.18
150°	4.53	5.76	6.77	7.46	8.13	9.06	11.58
Run VMG	3.93	4.98	5.85	6.46	7.04	7.84	10.03
Gybe Angles	143.6°	145.3°	150.5°	150.7°	147.0°	145.1°	144.3°