



World Leader in Rating Technology

2016 ORC Club Certificate

Rating Office

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



Certificate

Number **023/16**
Issued On **6.5.2016.**
ORC Ref **HUN00062880**
VPP Ver. **2016 1.01**
Valid until **31.12.2016.**

Crew Weight

Declared **508kg**
Default* **508kg**
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **661.9 0.9065**
Non Spin OSN **645.4 0.9297**
N/S Perf. Line **50.8 0.648**

Sails Limitations

Headsails **6** Spinnakers **3**

Spinnaker configuration

Symmetric: **Yes 141.02**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = **8.088**

Stability

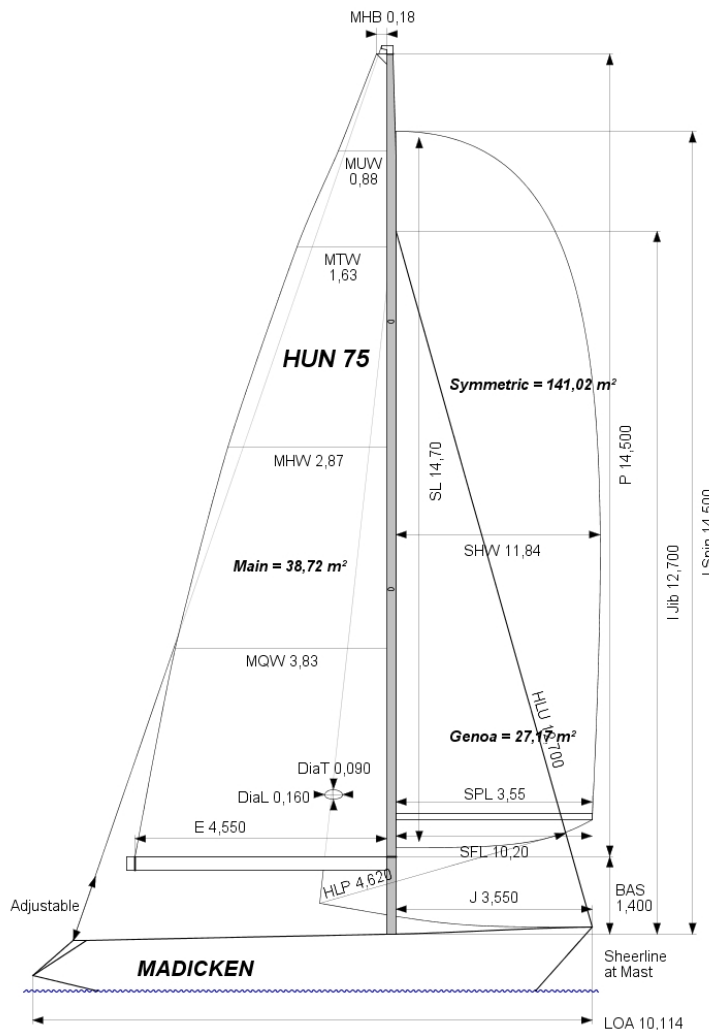
LPS (Estimated): **110.5°**
Stability Index: **105.3**
OSR Category: **N/A**

Owner

Aladár Martiny
Budapest
HUNGARY

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

Signature



BOAT		GPH		HULL			
Name Madicken Sail Nr HUN 75		621.1		Data File HUN75.dxt	LOA 10.114m		
				Offset File F034.OFF	MB 3.410m		
				Displacement 3,552kg	Draft 1.850m		
CLASS				IMS Division Performance	Dynamic All. 0.000%		
Class Dehler DB1-mod				Fwd Accom. No	Construction Solid		
Designer Van de Stadt				Fiber Rigging No	Aramid Core No		
Builder Dehler				Crew Arm Ex	Carbon Rudder No		
Series 01.1980					Light Stanchions No		
Age Date 01.1982				IMSL 8.141m	VCGD 0.068m	Sink 14.02kg/mm	
Age Allowance 0.487%				RL 8.034m	VCGM 0.096m	WS 18.83m2	
				LSM0 8.077m	Displacement/Length ratio 6.7410		
COMMENTS				Water Ballast 0 Trim Tab No			
				CENTERBOARD			
				N/A			
PROPELLER							
Installation Strut		PRD 0.420					
Type Folding 2 blades		PBW 0.115					
		PIPA 0.0025					
SCORING OPTIONS							
	OFFSHORE			INSHORE			
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD			
Time On Distance	607.4			673.7			
Time On Time	0.9878			1.0020			
Performance Line	PLT	PLD		PLT	PLD		
	0.769	100.4		1.072	357.3		
Triple Number	Low	Medium	High	Low	Medium	High	
	0.9819	1.2093	1.3325	0.7678	0.9989	1.1230	



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ORC Club Certificate Appendix

BOAT	
Name	Madicken
Sail Nr	HUN 75
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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1026.2	866.7	778.5	745.0	729.2	721.3	717.9
52°	677.7	578.6	541.7	528.4	521.8	518.0	512.5
60°	639.6	557.3	528.0	513.0	505.3	500.7	495.9
75°	608.8	543.0	515.7	495.5	480.6	472.8	466.7
90°	600.0	542.6	516.5	494.4	474.0	458.0	442.2
110°	587.2	522.7	498.7	481.4	467.1	455.3	435.6
120°	597.9	526.4	490.5	468.1	452.4	439.2	417.9
135°	666.0	551.3	508.6	475.0	444.8	418.1	386.5
150°	776.8	629.4	548.8	507.1	476.2	448.3	395.7
Run VMG	897.0	726.8	628.4	565.3	522.7	492.5	439.2

Selected Courses							
Windward / Leeward	961.6	796.7	703.5	655.2	626.0	606.9	578.5
Circular Random	831.3	682.0	604.3	560.1	533.0	515.0	491.2
Ocean for PCS	1010.3	794.2	674.3	601.8	554.5	521.0	472.7
Non Spinnaker	904.9	733.8	642.6	590.0	557.7	536.4	509.0

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	41.9°	41.7°	40.2°	38.8°	38.1°	37.8°	38.1°
Beat VMG	3.51	4.15	4.62	4.83	4.94	4.99	5.01
52°	5.31	6.22	6.65	6.81	6.90	6.95	7.02
60°	5.63	6.46	6.82	7.02	7.13	7.19	7.26
75°	5.91	6.63	6.98	7.27	7.49	7.62	7.71
90°	6.00	6.64	6.97	7.28	7.59	7.86	8.14
110°	6.13	6.89	7.22	7.48	7.71	7.91	8.27
120°	6.02	6.84	7.34	7.69	7.96	8.20	8.61
135°	5.41	6.53	7.08	7.58	8.09	8.61	9.32
150°	4.63	5.72	6.56	7.10	7.56	8.03	9.10
Run VMG	4.01	4.95	5.73	6.37	6.89	7.31	8.20
Gybe Angles	146.2°	148.4°	153.8°	166.6°	180.0°	180.0°	180.0°