



World Leader in Rating Technology

2016 ORC Club Certificate

Rating Office

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



Certificate

Number **021/16**
Issued On **5.5.2016.**
ORC Ref **HUN00062862**
VPP Ver. **2016 1.01**
Valid until **31.12.2016.**

Crew Weight

Declared	900kg
Default*	932kg
Non Manual Pwr	No

Special Scoring

	ToD	ToT
Non Spin	GPH 588.0	1.0204
Non Spin	OSN 577.8	1.0384
N/S Perf. Line	-5.3	0.635

Sails Limitations

Headsails **1** Spinnakers **4**

Spinnaker configuration

Symmetric: **Yes** **236.06**
Asymmetric: **Yes** **259.65**
Flying H/S: **Yes** **85.62**
Spin. Pole: **Yes**

Class Division Length

CDL = **10.969**

Stability

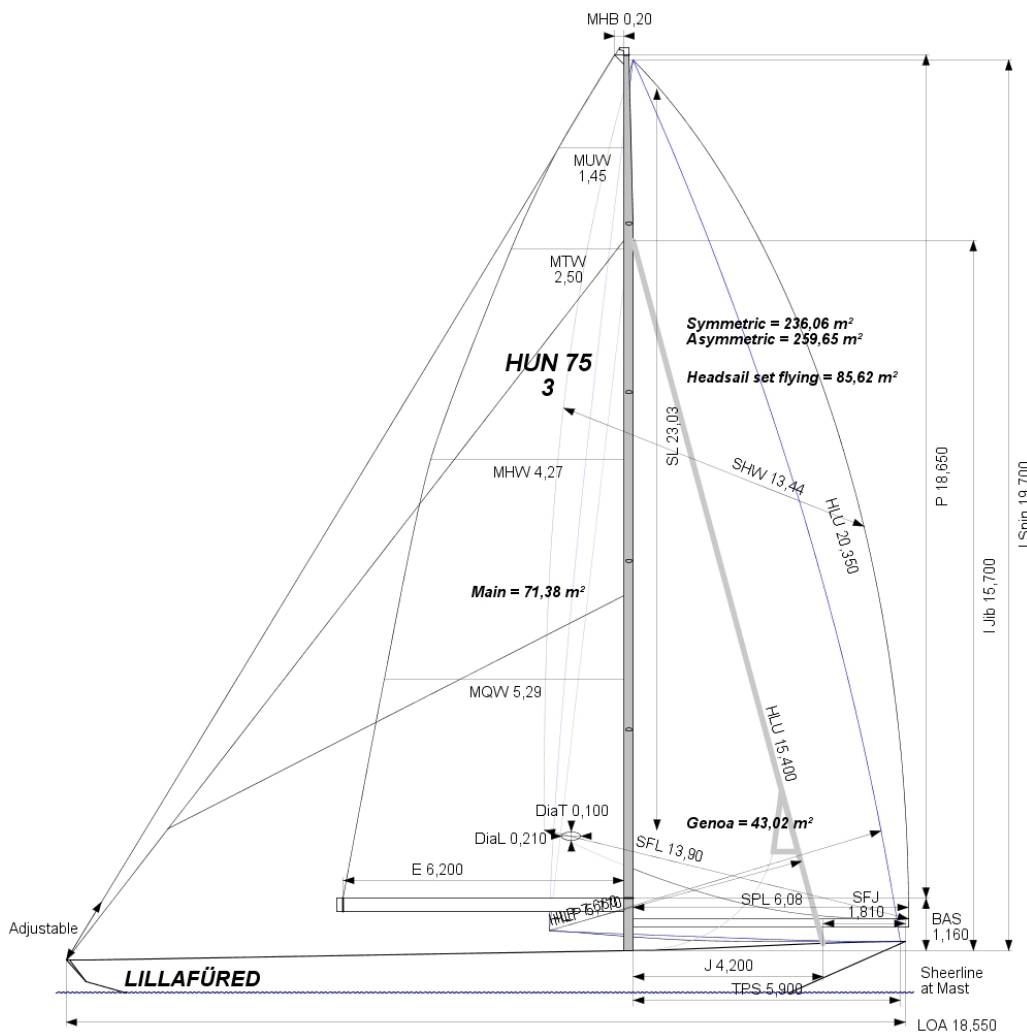
LPS (Estimated): **119.6°**
Stability Index: **128.2**
OSR Category: **N/A**

Owner

Gál & Partners Law Office
Falk Miksa u. 4.
1066 Budapest
HUNGARY

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

Signature



BOAT		GPH		HULL			
Name Lillafüred Sail Nr HUN 75-3		541.9		Data File HUN 75-3.dxt	LOA 18.550m		
				Offset File skerry75.off	MB 2.798m		
				Displacement 9,176kg	Draft 1.863m		
CLASS				IMS Division Cruiser/Racer	Dynamic All. 0.065%		
Class 75 skerry Cruiser				Fwd Accom. Yes	Construction Solid		
Designer Jenő Benacsek				Fiber Rigging No	Aramid Core No		
Builder Balatonfüred SY				Crew Arm Ex	Carbon Rudder No		
Series 01.1943					Light Stanchions No		
Age Date 01.1947				IMSL 13.170m	VCGD -0.100m	Sink 23.37kg/mm	
Age Allowance 0.487%				RL 8.766m	VCGM -0.082m	WS 36.86m2	
COMMENTS				LSM0 12.367m	Displacement/Length ratio 4.8513		
				Water Ballast 0	Trim Tab No		
PROPELLER				CENTERBOARD			
Installation Shaft exposed	PRD 0.440			N/A			
Type Folding 2 blades	PBW 0.100						
	PIPA 0.0035						
SCORING OPTIONS							
	OFFSHORE			INSHORE			
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD			
Time On Distance	533.8			607.7			
Time On Time	1.1240			1.1107			
Performance Line	PLT	PLD		PLT	PLD		
	0.783	47.7		1.093	297.0		
Triple Number	Low	Medium	High	Low	Medium	High	
	1.1116	1.3930	1.5509	0.8366	1.1018	1.2653	



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ORC Club Certificate Appendix

BOAT	
Name Lillafüred	Certificate Number 021/16
Sail Nr HUN 75-3	Issued On 5.5.2016.

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	974.3	819.1	750.5	713.2	693.4	671.4	659.8
52°	611.2	521.7	481.5	461.2	450.2	440.4	432.0
60°	553.5	479.7	448.1	433.8	425.7	420.5	411.7
75°	491.3	439.9	418.4	407.6	401.0	396.7	388.5
90°	466.7	421.5	406.1	393.2	383.1	376.4	370.0
110°	497.5	431.7	406.3	385.7	371.8	362.4	345.1
120°	521.4	446.0	413.6	390.4	374.4	359.2	337.6
135°	583.2	465.2	410.5	389.1	371.5	356.5	325.6
150°	694.6	547.3	458.5	411.1	384.8	358.0	304.8
Run VMG	802.1	631.9	529.4	471.8	437.3	410.5	349.5

Selected Courses							
Windward / Leeward	888.2	725.5	640.0	592.5	565.4	541.0	504.6
Circular Random	733.5	598.0	526.7	485.8	460.3	442.8	418.5
Ocean for PCS	917.0	712.2	597.2	526.3	478.8	444.0	393.4
Non Spinnaker	822.2	658.6	569.9	517.4	484.3	462.2	434.4

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	47.3°	45.0°	44.4°	44.0°	43.9°	43.7°	43.9°
Beat VMG	3.69	4.40	4.80	5.05	5.19	5.36	5.46
52°	5.89	6.90	7.48	7.81	8.00	8.17	8.33
60°	6.50	7.50	8.03	8.30	8.46	8.56	8.74
75°	7.33	8.18	8.60	8.83	8.98	9.08	9.27
90°	7.71	8.54	8.86	9.16	9.40	9.56	9.73
110°	7.24	8.34	8.86	9.33	9.68	9.93	10.43
120°	6.90	8.07	8.70	9.22	9.61	10.02	10.66
135°	6.17	7.74	8.77	9.25	9.69	10.10	11.06
150°	5.18	6.58	7.85	8.76	9.35	10.06	11.81
Run VMG	4.49	5.70	6.80	7.63	8.23	8.77	10.30
Gybe Angles	142.7°	139.7°	147.0°	153.8°	160.1°	174.8°	150.9°