



World Leader in Rating Technology

2018 ORC Club Certificate

Rating Office

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



Certificate

Number **031/18**
Issued On **01/08/2018**
ORC Ref **HUN10015182**
VPP Ver. **2018 1.00**
Valid until **31/12/2018**

Crew Weight

Default 631kg
Maximum **530kg**
Minimum* **398kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	682.8	0.8787
Non Spin OSN	661.8	0.9066

Sails Limitations

Headsails **5** Spinnakers **3**
Dacron Sails

Spinnaker configuration
Symmetric: **Yes** **89.08**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = 8.502

Stability (Estimated)

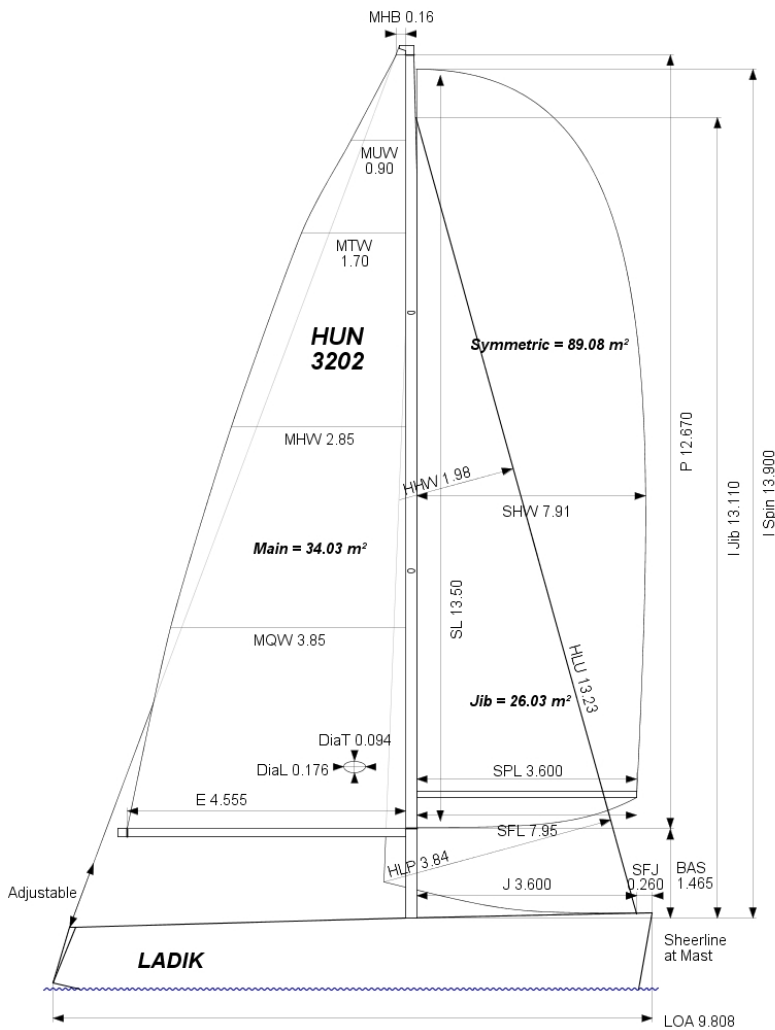
Limit Positive Stab.: **118.2°**
Stability Index: **118.7**

Owner

BORNEMISZA LÁSZLÓ
Normafa u.8
1121.BUDAPEST
HUNGARY

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

Signature



BOAT	GPH	HULL
Name LADIK Sail Nr HUN-3202	644.0	Data File HUN3202 LOA 9.808m Offset File CLDE32ND.off MB 3.240m Displacement 4,310kg Draft 1.748m
CLASS Class Dehler 32 SK Designer Judel Vrolijk Builder Dehler Series 01/2010 Age Date 01/2010 Age Allowance 0.260%		IMS Division Cruiser/Racer Dynamic All. 0.194% Fwd Accom. Yes Construction Cored Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS		IMSL 9.393m VCGD 0.130m Sink 16.27kg/mm RL 7.610m VCGM 0.087m WS 22.44m² LSM0 9.410m Displacement/Length ratio 5.1726
PROPELLER Installation Strut PRD 0.411 Type Folding 2 blades PIPA 0.0033		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD N/A
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	626.2	700.4
Time on Time	0.9581	0.9637
Triple Number	Low Medium High	Low Medium High
Time on Distance	734.3 570.3 514.6	947.8 700.9 617.5
Time on Time	0.9193 1.1836 1.3118	0.7122 0.9630 1.0932



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ORC Club Certificate Appendix

BOAT	
Name LADIK	Certificate Number 031/18
Sail Nr HUN-3202	Issued On 01/08/2018

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1108.5	912.7	807.4	765.4	751.0	747.1	737.2
52°	724.7	606.0	546.8	527.2	520.9	518.4	511.4
60°	685.4	576.5	529.3	511.9	505.5	502.6	496.8
75°	655.7	556.4	516.7	498.1	486.2	480.1	475.9
90°	652.4	545.9	514.3	494.7	477.5	462.5	444.5
110°	638.6	532.8	496.4	475.0	461.2	448.7	427.9
120°	654.1	541.8	499.5	472.5	447.1	430.6	406.6
135°	718.3	583.5	518.8	488.9	461.5	433.1	379.8
150°	853.6	679.0	573.1	517.0	489.4	464.2	412.5
Run VMG	985.6	784.0	661.4	584.5	532.9	500.7	452.2
Selected Courses							
Windward / Leeward	1047.1	848.4	734.4	675.0	641.9	623.9	594.7
Circular Random	883.7	714.2	624.6	573.7	543.3	523.5	496.8
Coastal / Long Distance	1040.9	795.9	663.2	592.0	554.2	525.1	474.9
Non Spinnaker	954.5	763.9	661.1	601.7	565.7	542.7	513.7

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	43.2°	41.8°	41.1°	40.4°	40.0°	40.0°	40.1°
Beat VMG	3.25	3.94	4.46	4.70	4.79	4.82	4.88
52°	4.97	5.94	6.58	6.83	6.91	6.94	7.04
60°	5.25	6.24	6.80	7.03	7.12	7.16	7.25
75°	5.49	6.47	6.97	7.23	7.40	7.50	7.56
90°	5.52	6.59	7.00	7.28	7.54	7.78	8.10
110°	5.64	6.76	7.25	7.58	7.81	8.02	8.41
120°	5.50	6.64	7.21	7.62	8.05	8.36	8.85
135°	5.01	6.17	6.94	7.36	7.80	8.31	9.48
150°	4.22	5.30	6.28	6.96	7.36	7.75	8.73
Run VMG	3.65	4.59	5.44	6.16	6.76	7.19	7.96
Gybe Angles	145.3°	149.4°	150.4°	158.6°	180.0°	180.0°	180.0°