



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 **028/20**
Issued On **24/07/2020**
ORC Ref **03880000N5D**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 475kg
Maximum **475kg**
Minimum* **356kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **686.7 0.8737**
Non Spin OSN **667.8 0.8984**

Sails Limitations

Headsails **5** Spinnakers **4**

Spinnaker configuration

Symmetric: **Yes 83.20**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = 7.811

Stability (Estimated)

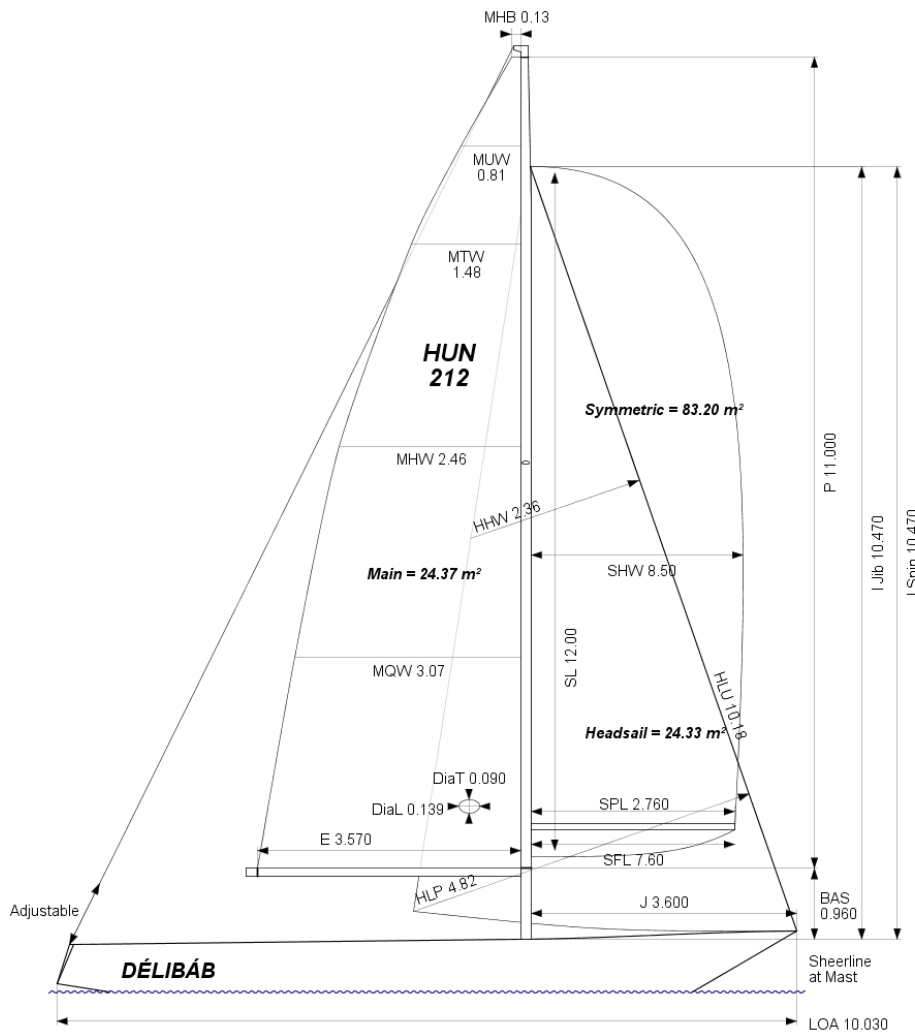
Limit Positive Stab.: **123.1°**
Stability Index: **126.8**

Owner

György Fazakas
Budapest
HUNGARY

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

Signature



BOAT Name Délibáb Sail Nr HUN 212		GPH 648.0	HULL Data File HUN212 LOA 10.030m Offset File BB10.OFF MB 2.308m Displacement 2,564kg Draft 1.499m			
CLASS Class BB 10 Designer Boerresen Builder Boerresen Series 01/1979 Age Date 01/1990 Age Allowance 0.487%		IMS Division Performance Dynamic All. 0.000% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex 0.00 Carbon Rudder No Light Stanchions				
COMMENTS		IMSL 8.116m VCGD -0.219m Sink 10.88kg/mm RL 7.520m VCGM -0.202m WS 15.69m² LSM0 7.704m Displacement/Length ratio 5.6075				
PROPELLER Installation Strut PRD 0.360 Type Folding 2 blades PBW 0.076 PIPA 0.0031		Water Ballast Trim Tab No BLR Index 0.0000				
SCORING OPTIONS		CENTERBOARD N/A				
Time on Distance	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	630.7			702.3		
Time on Time	0.9513			0.9611		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	728.9	577.6	520.0	938.3	703.3	621.4
Time on Time	0.9260	1.1686	1.2981	0.7194	0.9598	1.0863

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ORC Club Certificate Appendix

BOAT	
Name Délibáb	Certificate Number 028/20
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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1086.3	892.3	802.5	770.0	755.5	749.2	737.4
52°	707.4	596.7	557.0	543.9	537.8	534.6	528.4
60°	666.0	575.2	543.5	529.8	523.1	519.4	514.0
75°	636.1	560.7	532.2	514.1	501.0	493.4	486.7
90°	644.8	559.4	528.6	507.2	487.6	471.1	453.3
110°	635.8	544.6	512.1	493.3	477.4	462.1	434.4
120°	650.7	547.8	510.1	479.2	457.8	441.9	409.2
135°	728.8	582.4	526.0	491.6	456.8	424.0	366.5
150°	856.7	680.1	575.8	524.8	493.3	461.0	396.1
Run VMG	989.2	785.3	664.0	590.6	542.1	510.7	451.5
Selected Courses							
Windward / Leeward	1037.7	838.8	733.2	680.3	648.8	630.0	594.4
Circular Random	881.2	716.0	629.3	580.1	549.8	529.1	498.8
Coastal / Long Distance	1032.9	789.2	666.0	600.4	563.2	533.0	480.0
Non Spinnaker	951.2	765.1	665.7	608.2	572.9	549.4	518.2

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	42.8°	42.0°	40.3°	39.0°	38.3°	38.3°	38.3°
Beat VMG	3.31	4.03	4.49	4.68	4.77	4.80	4.88
52°	5.09	6.03	6.46	6.62	6.69	6.73	6.81
60°	5.41	6.26	6.62	6.80	6.88	6.93	7.00
75°	5.66	6.42	6.76	7.00	7.19	7.30	7.40
90°	5.58	6.43	6.81	7.10	7.38	7.64	7.94
110°	5.66	6.61	7.03	7.30	7.54	7.79	8.29
120°	5.53	6.57	7.06	7.51	7.86	8.15	8.80
135°	4.94	6.18	6.84	7.32	7.88	8.49	9.82
150°	4.20	5.29	6.25	6.86	7.30	7.81	9.09
Run VMG	3.64	4.58	5.42	6.10	6.64	7.05	7.97
Gybe Angles	145.0°	148.0°	151.0°	159.5°	180.0°	180.0°	180.0°