



2020
ORC Club
Certificate

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

Certificate
 Number **001/20**
 Issued On **23/04/2020**
 ORC Ref **03880000HEV**
 VPP Ver. **2020 1.01**
 Valid until **31/12/2020**

Crew Weight

Default	561kg
Maximum	561kg
Minimum*	421kg

*when applied by the NoR and SI
 Non Manual Pwr **No**

Special Scoring

ToD	ToT
Non Spin GPH 673.2	0.8913
Non Spin OSN 650.3	0.9227

Sails Limitations
 Headsails **5** Spinnakers **4**

Asymmetric on centerline

Spinnaker configuration
 Symmetric: **No**
 Asymmetric: **Yes 92.92**
 Flying H/S: **No**
 Spin. Pole: **No**

Class Division Length
 CDL = **8.692**

Stability (Estimated)
 Limit Positive Stab.: **117.5°**
 Stability Index: **112.2**

Owner
 Otto LUDA
 Oktober 6 utca, 4
 Telepes utca 64. A.ép. Fsz:1.
 H-1054, Budapest Hungary

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

Signature

BOAT Name Hector Sail Nr HUN-1241	GPH 628.7	HULL Data File HUN1241 LOA 9.790m Offset File SF3200(DT).OFF MB 3.434m Displacement 3,402kg Draft 1.916m
CLASS Class Sun Fast 3200 Designer ANDRIEU Daniel Builder Jeanneau Series 01/2008 Age Date 01/2008 Age Allowance 0.390%		IMS Division Cruiser/Racer Dynamic All. 0.185% Plan Review Construction Cored Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS Twin rudder		IMSL 9.061m VCGD 0.000m Sink 16.30kg/mm RL 8.336m VCGM 0.045m WS 21.00m² LSM0 8.665m Displacement/Length ratio
PROPELLER Installation Strut PRD 0.385 Type Folding 2 blades PBW 0.100 PIPA 0.0032		Water Ballast Trim Tab No BLR Index 0.0000
		CENTERBOARD N/A

SCORING OPTIONS

	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Low	Medium	High	Low	Medium	High
Time on Distance	610.1			689.6		
Time on Time	0.9835			0.9788		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	724.9	555.4	493.4	942.2	690.8	609.0
Time on Time	0.9312	1.2153	1.3681	0.7164	0.9771	1.1083

2020

ORC Club Certificate Appendix

BOAT	
Name	Hector
Sail Nr	HUN-1241
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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1107.8	904.9	789.6	731.4	715.3	710.9	707.2
52°	715.7	597.4	536.1	510.4	501.9	498.6	495.3
60°	672.3	567.4	520.0	497.1	485.4	480.8	478.0
75°	642.1	546.5	508.0	484.6	464.2	450.6	442.5
90°	630.6	528.2	493.1	478.9	459.2	436.7	406.0
110°	618.9	519.3	479.4	447.1	426.3	411.3	382.7
120°	636.9	528.1	485.5	450.0	415.7	388.9	357.0
135°	716.6	573.5	508.1	473.9	440.7	407.8	339.0
150°	848.9	671.7	566.7	513.3	487.3	463.5	400.9
Run VMG	980.2	775.7	654.3	592.4	560.5	516.5	462.9
Selected Courses							
Windward / Leeward	1044.0	840.3	722.0	661.9	637.9	613.7	585.1
Circular Random	870.0	700.4	609.6	557.1	524.7	502.8	472.3
Coastal / Long Distance	1037.6	787.0	650.5	575.2	537.1	502.8	447.0
Non Spinnaker	952.8	758.1	651.4	588.4	549.2	523.3	489.7

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	43.5°	42.0°	41.3°	39.9°	39.4°	39.4°	39.8°
Beat VMG	3.25	3.98	4.56	4.92	5.03	5.06	5.09
52°	5.03	6.03	6.72	7.05	7.17	7.22	7.27
60°	5.35	6.34	6.92	7.24	7.42	7.49	7.53
75°	5.61	6.59	7.09	7.43	7.76	7.99	8.14
90°	5.71	6.82	7.30	7.52	7.84	8.24	8.87
110°	5.82	6.93	7.51	8.05	8.44	8.75	9.41
120°	5.65	6.82	7.42	8.00	8.66	9.26	10.08
135°	5.02	6.28	7.09	7.60	8.17	8.83	10.62
150°	4.24	5.36	6.35	7.01	7.39	7.77	8.98
Run VMG	3.67	4.64	5.50	6.08	6.42	6.97	7.78
Gybe Angles	144.0°	147.5°	148.0°	150.5°	173.5°	176.0°	142.0°