



ORC

Offshore Racing Congress
World leader in rating technology

**2019
ORC Club
Certificate**

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



Certificate

Number **030/19**
Issued On **15/07/2019**
ORC Ref **HUN10025935**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight

Default	561kg
Maximum	561kg
Minimum*	421kg

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

Special Scoring

	ToD	ToT
Double H.GPH	639.0	0.9389
Double H.OSN	622.2	0.9643
Non Spin GPH	672.0	0.8929
Non Spin OSN	648.8	0.9248

Sails Limitations

Headsails **5** Spinnakers **3**

Asymmetric on centerline

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

Class Division Length

CDL = 8.757

Stability (Estimated)

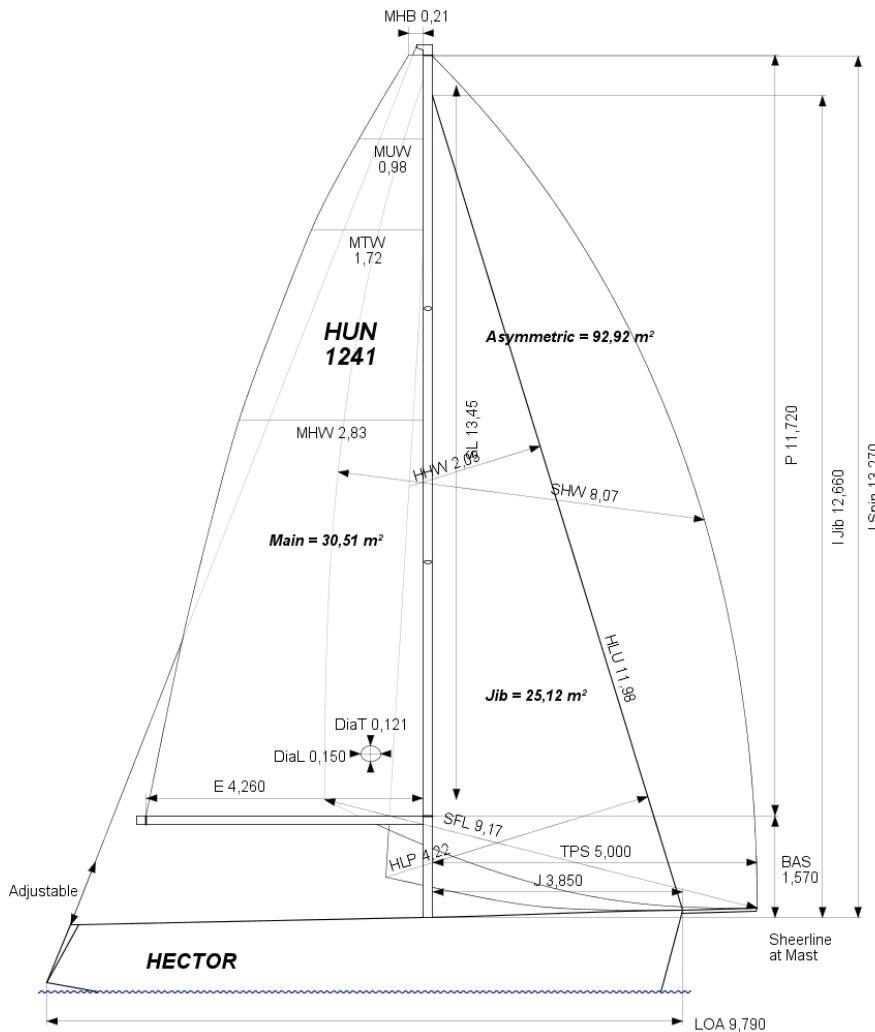
Limit Positive Stab.: **117.5°**
Stability Index: **112.2**

Owner

Galindó Car Kft
1147 Budapest
Telepes utca 64. A.ép. Fsz:1.

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

Signature



BOAT		GPH		HULL			
Name	Hector			Data File	HUN1241		
Sail Nr	HUN-1241			Offset File	SF3200(DT).OFF		
		627.5		Displacement	3 402kg		
				LOA	9.790m		
				MB	3.434m		
				Draft	1.916m		
CLASS		IMS Division					
Class	Sun Fast 3200	Cruiser/Racer	Dynamic All.	0.184%			
Designer	ANDRIEU Daniel	Fwd Accom.	Construction	Cored			
Builder	Jeanneau	Fiber Rigging	Aramid Core	No			
Series	01/2008	Crew Arm Ex	Carbon Rudder	No			
Age Date	01/2008		Light Stanchions	No			
Age Allowance	0.357%						
COMMENTS		IMSL					
Twin rudder		9.061m	VCGD	0.000m	Sink		
		8.450m	VCGM	0.045m	WS		
		LSM0	8.665m Displacement/Length ratio				
		Water Ballast	0	Trim Tab	No		
		BLR Index	0.0000				
PROPELLER		CENTERBOARD					
Installation	Strut	PRD	0.385				
Type	Folding 2 blades	PBW	0.100				
		PIPA	0.0032				
SCORING OPTIONS		COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	608.6			687.1			
Time on Time	0.9858			0.9824			
Triple Number	Low	Medium	High	Low	Medium	High	
Time on Distance	723.4	554.3	492.3	939.7	688.5	606.2	
Time on Time	0.9331	1.2177	1.3710	0.7183	0.9804	1.1135	

2019

ORC Club Certificate Appendix

BOAT	
Name	Hector
Sail Nr	HUN-1241
Certificate Number	030/19
Issued On	15/07/2019

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1102.4	900.6	785.4	726.4	709.5	704.4	700.3
52°	713.3	595.9	535.1	509.5	500.6	497.2	493.9
60°	670.8	566.5	519.5	496.6	484.6	479.8	477.1
75°	641.3	546.2	507.8	484.6	464.2	450.3	441.9
90°	629.6	527.8	492.7	478.7	459.6	437.3	406.2
110°	618.5	519.2	479.6	447.5	426.5	412.7	385.0
120°	636.6	528.1	485.7	450.6	416.5	389.4	359.0
135°	716.3	573.6	508.2	474.3	441.4	408.8	340.5
150°	848.7	671.8	566.9	513.5	487.7	464.2	402.5
Run VMG	980.0	775.8	654.6	592.7	560.8	516.8	464.8
Selected Courses							
Windward / Leeward	1041.2	838.2	720.0	659.5	635.1	610.6	582.5
Circular Random	868.2	699.0	608.4	556.0	523.6	501.7	471.5
Coastal / Long Distance	1035.0	785.2	649.0	573.8	535.7	501.6	447.0
Non Spinnaker	951.1	756.7	650.2	587.3	548.1	522.4	489.8

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°	41.8°	41.1°	39.6°	39.0°	39.0°	39.3°
Beat VMG	3.27	4.00	4.58	4.96	5.07	5.11	5.14
52°	5.05	6.04	6.73	7.07	7.19	7.24	7.29
60°	5.37	6.35	6.93	7.25	7.43	7.50	7.55
75°	5.61	6.59	7.09	7.43	7.76	7.99	8.15
90°	5.72	6.82	7.31	7.52	7.83	8.23	8.86
110°	5.82	6.93	7.51	8.04	8.44	8.72	9.35
120°	5.66	6.82	7.41	7.99	8.64	9.25	10.03
135°	5.03	6.28	7.08	7.59	8.16	8.81	10.57
150°	4.24	5.36	6.35	7.01	7.38	7.76	8.94
Run VMG	3.67	4.64	5.50	6.07	6.42	6.97	7.75
Gybe Angles	144.0°	147.5°	148.0°	150.3°	173.4°	176.4°	142.0°