



ORC
Offshore Racing Congress
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**2020
ORC Club
Certificate**

Rating Office

**Offshore
Racing
Congress**



Certificate

Number **079/20**
Issued On **22/06/2020**
ORC Ref **03880000L5N**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 588kg
Maximum **640kg**
Minimum* **480kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	677.8	0.8852
Non Spin OSN	656.6	0.9138

Sails Limitations

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

Spinnaker configuration
Symmetric: **Yes** **75.16**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

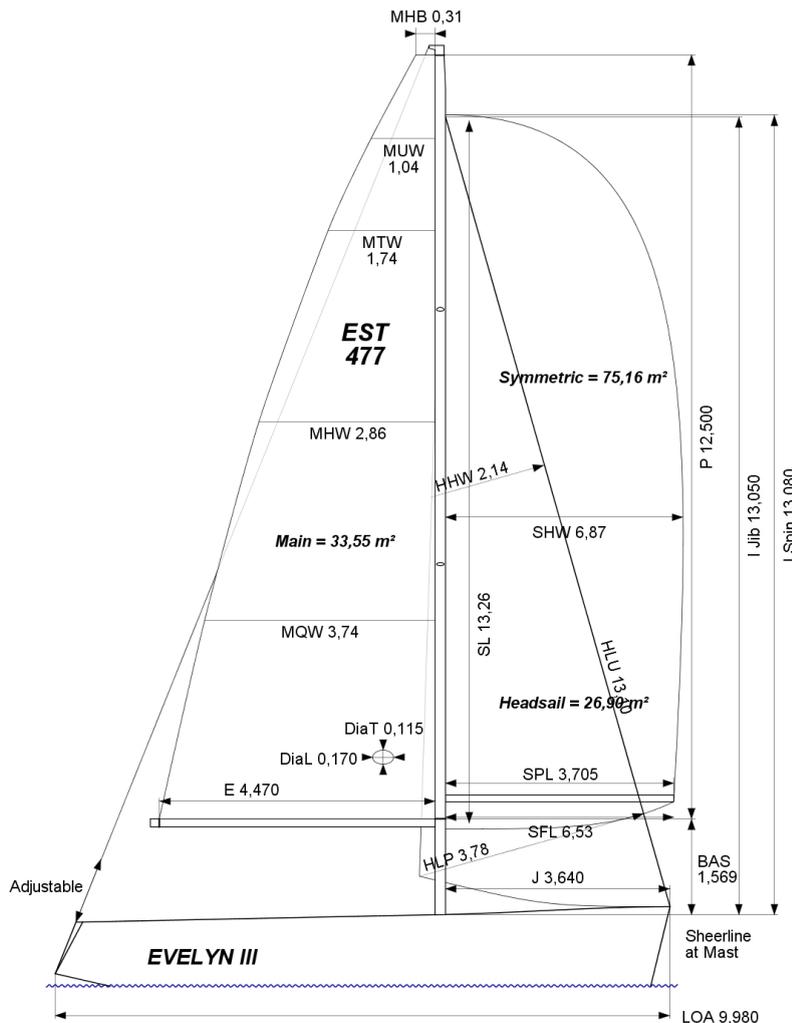
Class Division Length

CDL = 8.563

Stability (Measured)

Limit Positive Stab.: **127.0°**
Stability Index: **126.6**

Owner



BOAT	GPH	HULL
Name EVELYN III Sail Nr EST 477	645.2	Data File EST477 LOA 9.980m Offset File F235.OFF MB 3.372m Displacement 4,606kg Draft 2.000m
CLASS Class First 34.7 Designer Farr Builder Beneteau Series 10/2005 Age Date 05/2007 Age Allowance 0.487%		IMS Division Cruiser/Racer Dynamic All. 0.209% Plan Review Construction Cored Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions IMSL 9.105m VCGD -0.094m Sink 16.43kg/mm RL 8.029m VCGM -0.079m WS 22.10m² LSM0 8.954m Displacement/Length ratio 6.4161
COMMENTS		Water Ballast 0 Trim Tab No BLR Index 0.0000
PROPELLER Installation Strut PRD 0.410 Type Folding 2 blades PIPA 0.0030		CENTERBOARD N/A
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	626.9	699.1
Time on Time	0.9572	0.9655
Triple Number	Low Medium High	Low Medium High
Time on Distance	740.9 570.9 509.6	957.7 702.0 610.1
Time on Time	0.9111 1.1824 1.3245	0.7048 0.9616 1.1063

2020

ORC Club Certificate Appendix

BOAT	
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Sail Nr	EST 477
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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1096.9	911.0	801.3	745.2	727.6	721.5	713.6
52°	714.2	603.4	545.4	521.1	511.5	507.9	504.6
60°	673.9	573.8	529.3	508.6	497.6	493.0	491.0
75°	645.3	553.4	517.4	497.7	482.6	471.1	461.7
90°	653.5	550.7	508.4	489.4	478.0	461.3	435.7
110°	652.6	542.6	502.0	476.3	452.6	435.9	415.9
120°	672.8	554.8	507.6	480.9	455.3	431.2	396.1
135°	743.5	605.0	531.0	498.5	473.8	448.7	402.0
150°	879.6	699.3	591.3	528.8	499.0	475.9	430.3
Run VMG	1015.6	807.5	682.0	600.1	543.5	508.5	463.0
Selected Courses							
Windward / Leeward	1056.3	859.2	741.7	672.7	635.5	615.0	588.3
Circular Random	889.0	717.7	625.9	572.8	540.4	519.3	492.2
Coastal / Long Distance	1052.2	806.3	669.0	590.3	551.2	520.6	469.6
Non Spinnaker	947.5	759.0	656.6	596.7	560.0	536.4	507.3

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°	41.6°	41.3°	39.8°	39.0°	39.4°	39.4°
Beat VMG	3.28	3.95	4.49	4.83	4.95	4.99	5.04
52°	5.04	5.97	6.60	6.91	7.04	7.09	7.13
60°	5.34	6.27	6.80	7.08	7.23	7.30	7.33
75°	5.58	6.51	6.96	7.23	7.46	7.64	7.80
90°	5.51	6.54	7.08	7.36	7.53	7.80	8.26
110°	5.52	6.64	7.17	7.56	7.95	8.26	8.66
120°	5.35	6.49	7.09	7.49	7.91	8.35	9.09
135°	4.84	5.95	6.78	7.22	7.60	8.02	8.96
150°	4.09	5.15	6.09	6.81	7.21	7.56	8.37
Run VMG	3.54	4.46	5.28	6.00	6.62	7.08	7.78
Gybe Angles	145.5°	150.0°	151.0°	158.0°	180.0°	180.0°	180.0°