

**ORC**  
Offshore Racing Congress  
World leader in rating technology

**2020**  
ORC Club  
Certificate

Rating Office

Offshore  
Racing  
Congress



Certificate

Number **EVOL10**  
Issued On **09/10/2020**  
ORC Ref **03190000RNS**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**

Crew Weight

Default 574kg  
Maximum 250kg  
Minimum\* 165kg  
*\*when applied by the NoR and SI*  
Non Manual Pwr No

Special Scoring

|              | ToD   | ToT    |
|--------------|-------|--------|
| Non Spin GPH | 638.0 | 0.9404 |
| Non Spin OSN | 621.6 | 0.9652 |

Sails Limitations

Headsails 5 Spinnakers 0  
Woven Polyester

Spinnaker configuration

Symmetric: No  
Asymmetric: No  
Flying H/S: No  
Spin. Pde: No

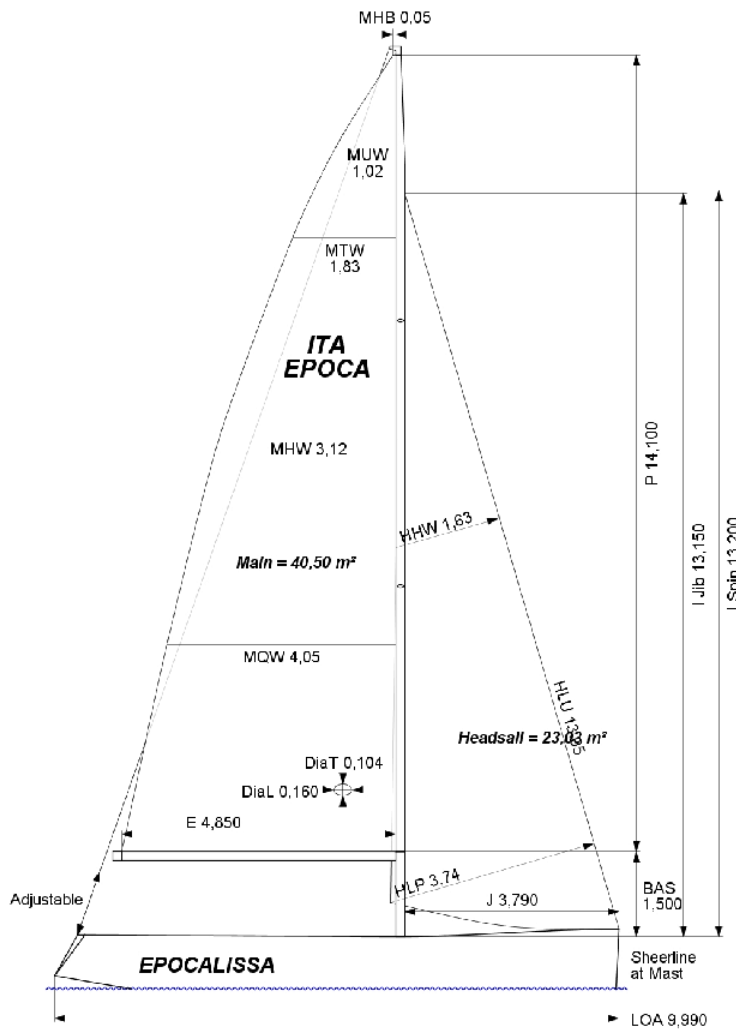
Class Division Length

CDL = 8.802

Stability (Estimated)

Limit Positive Stab.: 122.4°  
Stability Index: 117.0

Owner



| BOAT   |                         | GPH           | HULL                            |   |               |               |
|--|-------------------------|---------------|---------------------------------|---|---------------|---------------|
| Name <b>EPOCALISSA</b><br>Sail Nr <b>ITA-EPOCA</b> |                         | <b>638.0</b>  | Data File <b>EPOCA</b>          | LOA <b>9.990m</b>                       |               |               |
|  |                         |               | Offset File <b>EVOLU10.OFF</b>  | MB <b>3.498m</b>                        |               |               |
|  |                         |               | Displacement <b>3,200kg</b>     | Draft <b>2.342m</b>                     |               |               |
| CLASS  |                         |               | IMS Division <b>Performance</b> | Dynamic All. <b>0.000%</b>              |               |               |
| Class <b>EVOLUTION 10</b>                          |                         |               | Plan Review                     | Construction <b>Cored</b>               |               |               |
| Designer <b>JUSTIN</b>                             |                         |               | Fiber Rigging <b>No</b>         | Aramid Core <b>No</b>                   |               |               |
| Builder <b>SC COMPOSIT</b>                         |                         |               | Crew Arm Ex                     | Carbon Rudder <b>Yes</b>                |               |               |
| Series <b>01/1997</b>                              |                         |               |                                 | Light Stanchions <b>No</b>              |               |               |
| Age Date <b>01/1999</b>                            |                         |               | IMSL <b>9.087m</b>              | VCGD <b>-0.200m</b>                     |               |               |
| Age Allowance <b>0.487%</b>                        |                         |               | RL <b>8.520m</b>                | VCGM <b>-0.176m</b>                     |               |               |
| COMMENTS   |                         |               | WS <b>19.76m²</b>               |   |               |               |
|  |                         |               | LSM0 <b>8.805m</b>              | Displacement/Length ratio <b>4.6877</b> |               |               |
|  |                         |               | Water Ballast <b>0</b>          | Trim Tab <b>No</b>                      |               |               |
|  |                         |               | BLR Index <b>0.0000</b>         |   |               |               |
| PROPELLER  |                         |               | CENTERBOARD                     |   |               |               |
| Installation <b>Strut</b>                          | PRD <b>0.327</b>        |               | <b>N/A</b>                      |   |               |               |
| Type <b>Folding 2 blades</b>                       | PBW <b>0.100</b>        |               |                                 |   |               |               |
|  | PIPA <b>0.0030</b>      |               |                                 |   |               |               |
| SCORING OPTIONS                                    |                         |               |                                 |   |               |               |
|  | COASTAL / LONG DISTANCE |               |                                 | WINDWARD / LEEWARD                      |               |               |
| Time on Distance                                   | <b>621.6</b>            |               |                                 | <b>692.6</b>                            |               |               |
| Time on Time                                       | <b>0.9652</b>           |               |                                 | <b>0.9746</b>                           |               |               |
| Triple Number                                      | Low                     | Medium        | High                            | Low                                     | Medium        | High          |
| Time on Distance                                   | <b>735.4</b>            | <b>563.8</b>  | <b>499.4</b>                    | <b>962.4</b>                            | <b>698.3</b>  | <b>600.5</b>  |
| Time on Time                                       | <b>0.9179</b>           | <b>1.1973</b> | <b>1.3515</b>                   | <b>0.7014</b>                           | <b>0.9666</b> | <b>1.1241</b> |

# 2020

## ORC Club Certificate Appendix

| <b>BOAT</b>    |                   |                           |                   |
|----------------|-------------------|---------------------------|-------------------|
| <b>Name</b>    | <b>EPOCALISSA</b> | <b>Certificate Number</b> | <b>EVOL10</b>     |
| <b>Sail Nr</b> | <b>ITA-EPOCA</b>  | <b>Issued On</b>          | <b>09/10/2020</b> |

| <b>TIME ALLOWANCES</b>  |               |              |              |              |              |              |              |
|-------------------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Wind Velocity           | 6 kt          | 8 kt         | 10 kt        | 12 kt        | 14 kt        | 16 kt        | 20 kt        |
| <b>Beat VMG</b>         | <b>984.9</b>  | <b>811.0</b> | <b>743.8</b> | <b>723.4</b> | <b>715.6</b> | <b>698.7</b> | <b>701.2</b> |
| 52°                     | 652.6         | 548.3        | 518.1        | 509.0        | 505.0        | 499.4        | 494.9        |
| 60°                     | 619.7         | 529.9        | 503.7        | 493.7        | 488.6        | 485.6        | 476.4        |
| 75°                     | 594.5         | 518.2        | 490.1        | 472.4        | 462.0        | 456.2        | 446.0        |
| 90°                     | 600.8         | 519.7        | 488.0        | 463.4        | 442.9        | 428.3        | 416.7        |
| 110°                    | 668.5         | 552.0        | 501.4        | 472.7        | 444.5        | 417.7        | 385.6        |
| 120°                    | 712.8         | 581.7        | 517.3        | 486.0        | 458.0        | 430.2        | 375.1        |
| 135°                    | 840.5         | 667.9        | 567.6        | 513.7        | 484.5        | 457.6        | 404.9        |
| 150°                    | 1008.7        | 778.1        | 647.0        | 561.3        | 512.8        | 484.4        | 432.5        |
| <b>Run VMG</b>          | <b>1164.7</b> | <b>888.7</b> | <b>726.6</b> | <b>622.2</b> | <b>549.6</b> | <b>507.0</b> | <b>452.4</b> |
| <b>Selected Courses</b> |               |              |              |              |              |              |              |
| Windward / Leeward      | 1074.8        | 849.9        | 735.2        | 672.8        | 632.6        | 602.8        | 576.8        |
| Circular Random         | 884.2         | 711.1        | 618.5        | 564.8        | 531.6        | 509.4        | 481.1        |
| Coastal / Long Distance | 1083.8        | 800.4        | 663.5        | 587.8        | 545.5        | 510.5        | 454.8        |
| Non Spinnaker           | 884.2         | 711.1        | 618.5        | 564.8        | 531.6        | 509.4        | 481.1        |

| <b>Velocity Prediction in Knots for True Wind Speeds</b> |        |        |        |        |        |        |        |
|--|--------|--------|--------|--------|--------|--------|--------|
| Wind Velocity  | 6 kt   | 8 kt   | 10 kt  | 12 kt  | 14 kt  | 16 kt  | 20 kt  |
| Beat Angles  | 42.0°  | 40.5°  | 39.0°  | 38.3°  | 38.3°  | 38.1°  | 39.0°  |
| Beat VMG   | 3.66   | 4.44   | 4.84   | 4.98   | 5.03   | 5.15   | 5.13   |
| 52°  | 5.52   | 6.57   | 6.95   | 7.07   | 7.13   | 7.21   | 7.27   |
| 60°  | 5.81   | 6.79   | 7.15   | 7.29   | 7.37   | 7.41   | 7.56   |
| 75°  | 6.06   | 6.95   | 7.35   | 7.62   | 7.79   | 7.89   | 8.07   |
| 90°  | 5.99   | 6.93   | 7.38   | 7.77   | 8.13   | 8.40   | 8.64   |
| 110°   | 5.39   | 6.52   | 7.18   | 7.62   | 8.10   | 8.62   | 9.33   |
| 120°   | 5.05   | 6.19   | 6.96   | 7.41   | 7.86   | 8.37   | 9.60   |
| 135°   | 4.28   | 5.39   | 6.34   | 7.01   | 7.43   | 7.87   | 8.89   |
| 150°   | 3.57   | 4.63   | 5.56   | 6.41   | 7.02   | 7.43   | 8.32   |
| Run VMG  | 3.09   | 4.05   | 4.95   | 5.79   | 6.55   | 7.10   | 7.96   |
| Gybe Angles  | 144.0° | 173.0° | 179.0° | 180.0° | 180.0° | 180.0° | 180.0° |