



World Leader in Rating Technology

## 2016 ORC Club Certificate

### Rating Office

Offshore  
Racing  
Congress



### Certificate

Number **US6043**  
Issued On **27/09/2016**  
ORC Ref **USA00000388**  
VPP Ver. **2016 1.01**  
Valid until **28/02/2017**

### Crew Weight

Declared **1,415lbs**  
Default\* **1,415lbs**  
Non Manual Pwr **No**

### Special Scoring

ToD ToT  
Non Spin GPH **711.4 0.8434**  
Non Spin OSN **691.0 0.8683**  
N/S Perf. Line **7.0 0.546**

### Sails Limitations

Headsails **1** Spinnakers **3**

### Spinnaker configuration

Symmetric: **No**  
Asymmetric: **Yes 1043.72**  
Flying H/S: **No**  
Spin. Pole: **No**

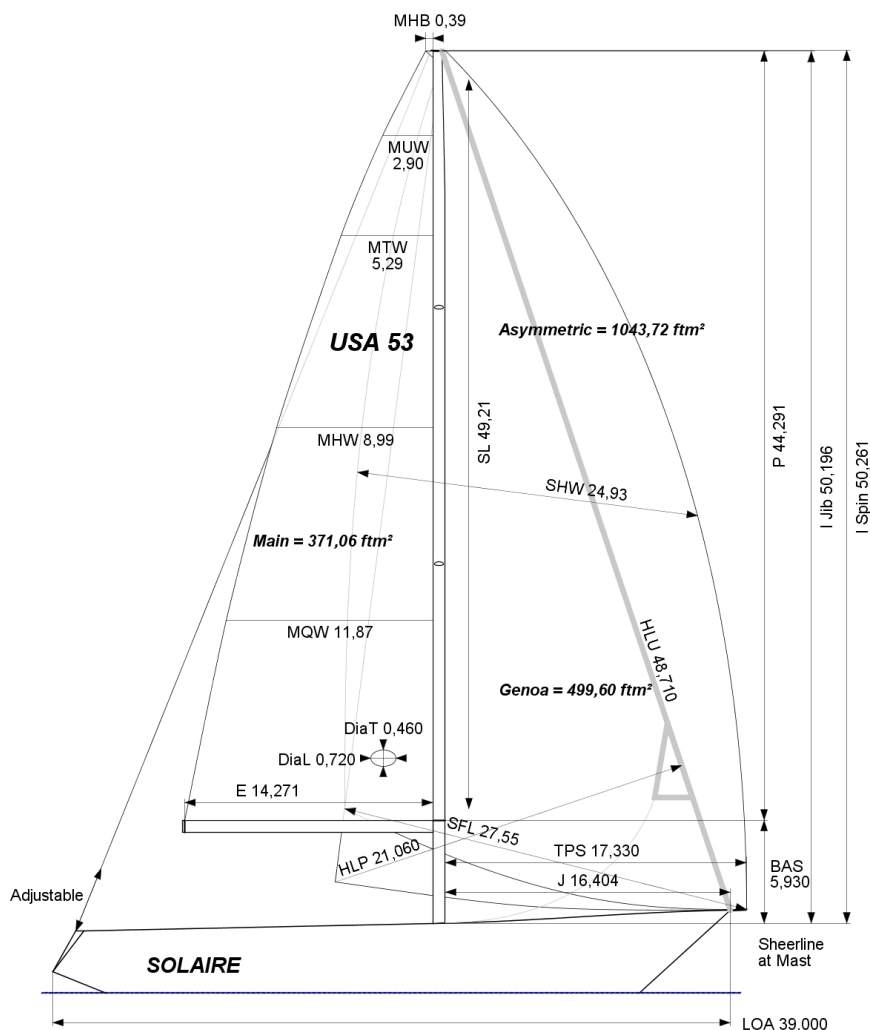
### Class Division Length

CDL = **7.968**

### Stability

LPS (Measured): **132.9°**  
Stability Index: **140.4**  
OSR Category: **0**

### Owner



| BOAT          |                     | GPH   |               | HULL          |                           |           |
|---------------|---------------------|-------|---------------|---------------|---------------------------|-----------|
| Name          | SolAire             | 684.2 | Data File     | US6043.dxt    | LOA                       | 39.000ft  |
| Sail Nr       | USA 53              |       | Offset File   | US1800R.OFF   | MB                        | 11.420ft  |
|               |                     |       | Displacement  | 19,935lbs     | Draft                     | 6.091ft   |
| CLASS         |                     |       | IMS Division  | Cruiser/Racer | Dynamic All.              | 0.670%    |
| Class         | Ericson 39          |       | Fwd Accom.    | Yes           | Construction              | Solid     |
| Designer      | Bruce King          |       | Fiber Rigging | No            | Aramid Core               | No        |
| Builder       | Ericson Yachts      |       | Crew Arm Ex   |               | Carbon Rudder             | No        |
| Series        | 11/1970             |       |               |               | Light Stanchions          | No        |
| Age Date      | 08/1972             |       | IMSL          | 30.696ft      | VCGD                      | -0.385ft  |
| Age Allowance | 0.487%              |       | RL            | 6.578ft       | VCGM                      | -0.584ft  |
|               |                     |       | WS            |               |                           | 326.59ft² |
| COMMENTS      |                     |       | LSM0          | 31.243ft      | Displacement/Length ratio | 0.6537    |
|               |                     |       | Water Ballast | 0             | Trim Tab                  | No        |
|               |                     |       |               |               |                           |           |
| PROPELLER     |                     |       | CENTERBOARD   |               |                           |           |
| Installation  | Shaft exposed       | PRD   | N/A           |               |                           |           |
| Type          | Feathering 3 blades | PIPA  |               |               |                           |           |

| SCORING OPTIONS  |                                     |               |               |                               |               |               |
|------------------|-------------------------------------|---------------|---------------|-------------------------------|---------------|---------------|
|                  | OFFSHORE<br>COASTAL / LONG DISTANCE |               |               | INSHORE<br>WINDWARD / LEEWARD |               |               |
|                  |                                     |               |               |                               |               |               |
| Time On Distance | <b>667.5</b>                        |               |               | <b>755.5</b>                  |               |               |
| Time On Time     | <b>0.8989</b>                       |               |               | <b>0.8935</b>                 |               |               |
| Performance Line | PLT                                 | PLD           |               | PLT                           | PLD           |               |
|                  | <b>0.607</b>                        | <b>35.3</b>   |               | <b>0.770</b>                  | <b>211.9</b>  |               |
| Triple Number    | Low                                 | Medium        | High          | Low                           | Medium        | High          |
|                  | <b>0.8576</b>                       | <b>1.1137</b> | <b>1.2562</b> | <b>0.6600</b>                 | <b>0.8800</b> | <b>1.0307</b> |