



**ORC**  
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**2019  
ORC Club  
Certificate**

**Rating Office**

**Offshore  
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Congress**



**Certificate**

Number **Est433**  
Issued On **23/05/2019**  
ORC Ref **EST00000583**  
VPP Ver. **2019 1.01**  
Valid until **31/12/2019**

**Crew Weight**

Default 859kg  
Maximum **850kg**  
Minimum\* **638kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

|              | ToD          | ToT           |
|--------------|--------------|---------------|
| Double H.GPH | <b>596.8</b> | <b>1.0054</b> |
| Double H.OSN | <b>582.0</b> | <b>1.0308</b> |
| Non Spin GPH | <b>617.8</b> | <b>0.9712</b> |
| Non Spin OSN | <b>600.8</b> | <b>0.9986</b> |

**Sails Limitations**

Headsails **6** Spinnakers **4**

**Spinnaker configuration**  
Symmetric: **Yes** **130.50**  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

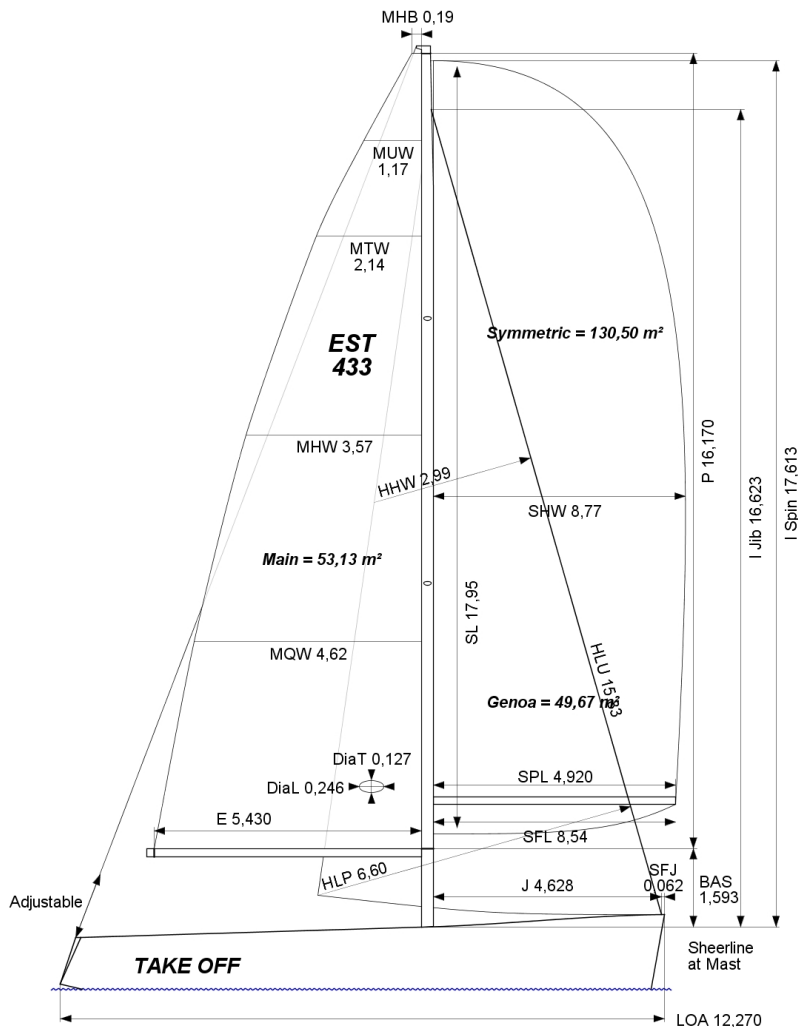
**Class Division Length**

**CDL = 10.627**

**Stability (Measured)**

Limit Positive Stab.: **111.6°**  
Stability Index: **117.2**

**Owner**



| BOAT             |                         | GPH           |               | HULL               |  |               |
|------------------|-------------------------|---------------|---------------|--------------------|--|---------------|
| Name             | <b>Take Off</b>         |               | <b>587.2</b>  | Data File          | <b>Est0433</b> LOA <b>12.270m</b>                        |               |
| Sail Nr          | <b>EST 433</b>          |               |               | Offset File        | <b>ELAN410N.OFF</b> MB <b>3.878m</b>                     |               |
|                  |                         |               |               | Displacement       | <b>9,106kg</b> Draft <b>2.139m</b>                       |               |
| CLASS            |                         |               |               | IMS Division       | <b>Cruiser/Racer</b> Dynamic All. <b>0.134%</b>          |               |
| Class            | <b>ELAN 410</b>         |               |               | Fwd Accom.         | <b>Yes</b> Construction <b>Cored</b>                     |               |
| Designer         | <b>ROB HUMPHREYS</b>    |               |               | Fiber Rigging      | <b>No</b> Aramid Core <b>No</b>                          |               |
| Builder          | <b>ELAN MARIN</b>       |               |               | Crew Arm Ex        | <b>No</b> Carbon Rudder <b>No</b>                        |               |
| Series           | <b>05/2007</b>          |               |               | Light Stanchions   |  |               |
| Age Date         | <b>03/2009</b>          |               |               | IMSL               | <b>11.618m</b> VCGD <b>0.196m</b> Sink <b>25.70kg/mm</b> |               |
| Age Allowance    | <b>0.390%</b>           |               |               | RL                 | <b>9.633m</b> VCGM <b>0.134m</b> WS <b>34.43m²</b>       |               |
| COMMENTS         |                         |               |               | LSM0               | <b>11.676m</b> Displacement/Length ratio <b>5.7207</b>   |               |
| Ex SWE-48        |                         |               |               | Water Ballast      | <b>0</b> Trim Tab <b>No</b>                              |               |
| PROPELLER        |                         |               |               | BLR Index          | <b>0.0000</b>  |               |
| Installation     | <b>Strut</b>            | PRD           | <b>0.425</b>  | CENTERBOARD        |  |               |
| Type             | <b>Folding 2 blades</b> | PBW           | <b>0.125</b>  | <b>NA</b>          |  |               |
|                  |                         | PIPA          | <b>0.0040</b> |                    |  |               |
| SCORING OPTIONS  |                         |               |               |                    |  |               |
|                  | COASTAL / LONG DISTANCE |               |               | WINDWARD / LEEWARD |  |               |
| Time on Distance | <b>571.1</b>            |               |               | <b>637.4</b>       |  |               |
| Time on Time     | <b>1.0507</b>           |               |               | <b>1.0591</b>      |  |               |
| Triple Number    | Low                     | Medium        | High          | Low                | Medium   | High          |
| Time on Distance | <b>671.3</b>            | <b>520.2</b>  | <b>467.3</b>  | <b>867.1</b>       | <b>641.2</b>   | <b>557.8</b>  |
| Time on Time     | <b>1.0055</b>           | <b>1.2976</b> | <b>1.4444</b> | <b>0.7785</b>      | <b>1.0527</b>  | <b>1.2102</b> |