



World Leader in Rating Technology

## 2017 ORC Club Certificate

### Rating Office

Offshore  
Racing  
Congress



### Certificate

Number **US6165**  
 Issued On **18/04/2017**  
 ORC Ref **USA00000930**  
 VPP Ver. **2017 1.00**  
 Valid until **28/02/2018**

### Crew Weight

Declared **575kg**  
 Default\* **575kg**  
 Non Manual Pwr **No**

### Special Scoring

ToD ToT  
 Non Spin GPH **591.3 1.0147**  
 Non Spin OSN **578.3 1.0374**

### Sails Limitations

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

### Spinnaker configuration

Symmetric: **No**  
 Asymmetric: **Yes 106.75**  
 Flying H/S: **No**  
 Spin. Pole: **No**

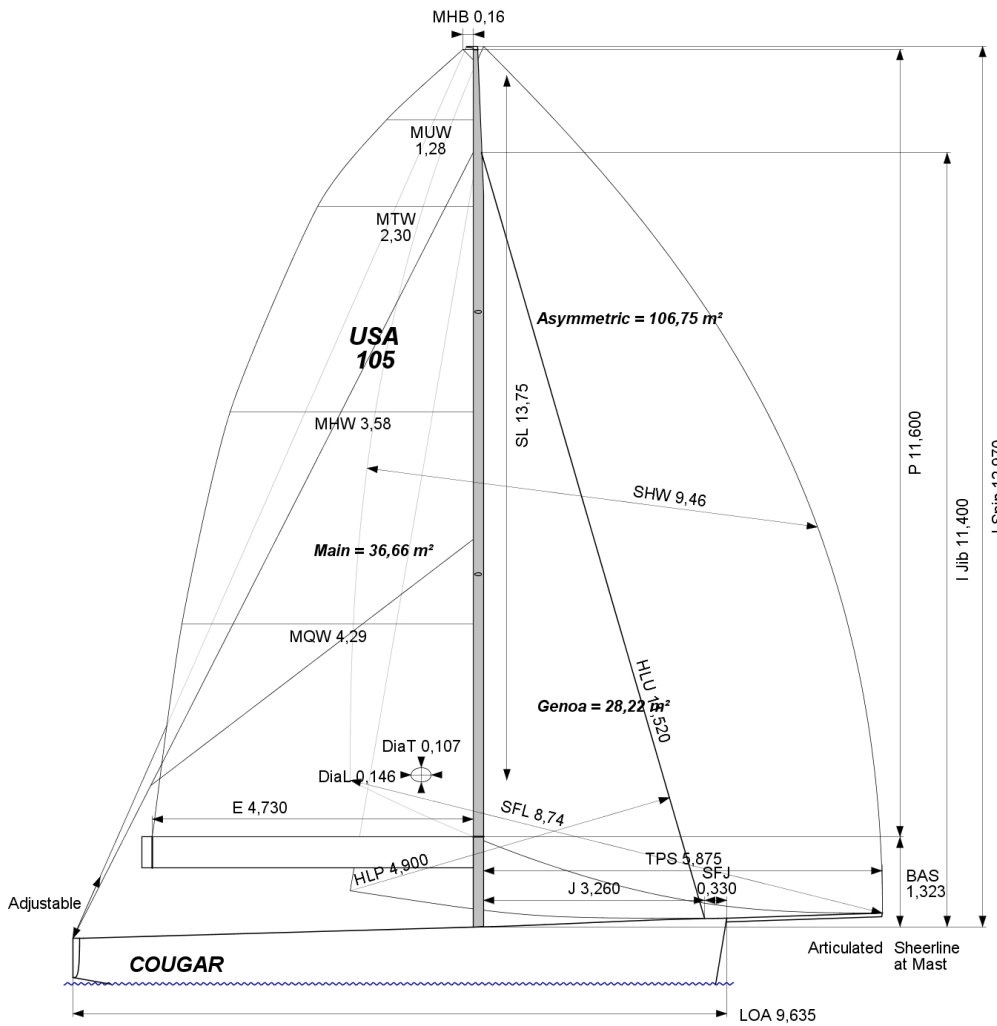
### Class Division Length

CDL = **9.356**

### Stability (Estimated)

Limit Positive Stab.: **123.2°**  
 Stability Index: **116.8**

### Owner



<b>BOAT</b> Name <b>Cougar</b> Sail Nr <b>USA 105</b>		<b>GPH</b> <b>559.1</b>		<b>HULL</b> Data File <b>US6165</b> LOA <b>9.635m</b> Offset File <b>MELGES.OFF</b> MB <b>2.950m</b> Displacement <b>1,952kg</b> Draft <b>2.149m</b>		
<b>CLASS</b> Class <b>Melges 30</b> Designer <b>Reichel / Pugh</b> Builder <b>Melges Racing</b> Series <b>01/1995</b> Age Date <b>03/1996</b> Age Allowance <b>0.487%</b>		IMS Division <b>Performance</b> Dynamic All. <b>0.001%</b> Fwd Accom. <b>No</b> Construction <b>Cored</b> Fiber Rigging <b>No</b> Aramid Core <b>No</b> Crew Arm Ex Carbon Rudder <b>Yes</b> Light Stanchions <b>No</b>			IMSL <b>9.164m</b> VCGD <b>-0.328m</b> Sink <b>12.80kg/mm</b> RL <b>9.546m</b> VCGM <b>-0.350m</b> WS <b>16.62m²</b> LSM0 <b>8.815m</b> Displacement/Length ratio <b>2.8498</b>	
<b>COMMENTS</b> SELECT DATA FROM LIGHT HORSE		Water Ballast <b>0</b> Trim Tab <b>No</b>			<b>CENTERBOARD</b>  N/A	
<b>PROPELLER</b> Installation <b>Strut</b> PRD <b>0.400</b> Type <b>Folding 2 blades</b> PBW <b>0.090</b> PIPA <b>0.0028</b>		<b>SCORING OPTIONS</b>				
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time On Distance	<b>545.6</b>			<b>616.6</b>		
Time On Time	<b>1.0996</b>			<b>1.0948</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>632.7</b>	<b>501.5</b>	<b>429.9</b>	<b>818.8</b>	<b>626.7</b>	<b>529.1</b>
Time on Time	<b>1.0668</b>	<b>1.3460</b>	<b>1.5702</b>	<b>0.8244</b>	<b>1.0771</b>	<b>1.2758</b>