



World Leader in Rating Technology

2016  
ORC Club  
Certificate

Rating Office

Offshore  
Racing  
Congress



Certificate

Number **LT5386**  
 Issued On **11/06/2016**  
 ORC Ref **Itu00000376**  
 VPP Ver. **2016 1.01**  
 Valid until **31/12/2016**

Crew Weight

Declared **580kg**  
 Default\* **472kg**  
 Non Manual Pwr **No**

Special Scoring

ToD ToT  
 Non Spin GPH **698.7 0.8587**  
 Non Spin OSN **677.4 0.8857**  
 N/S Perf. Line **28.7 0.586**

Sails Limitations

Headsails **6** Spinnakers **3**

Spinnaker configuration

Symmetric: **Yes 57.87**  
 Asymmetric: **No**  
 Flying H/S: **No**  
 Spin. Pole: **Yes**

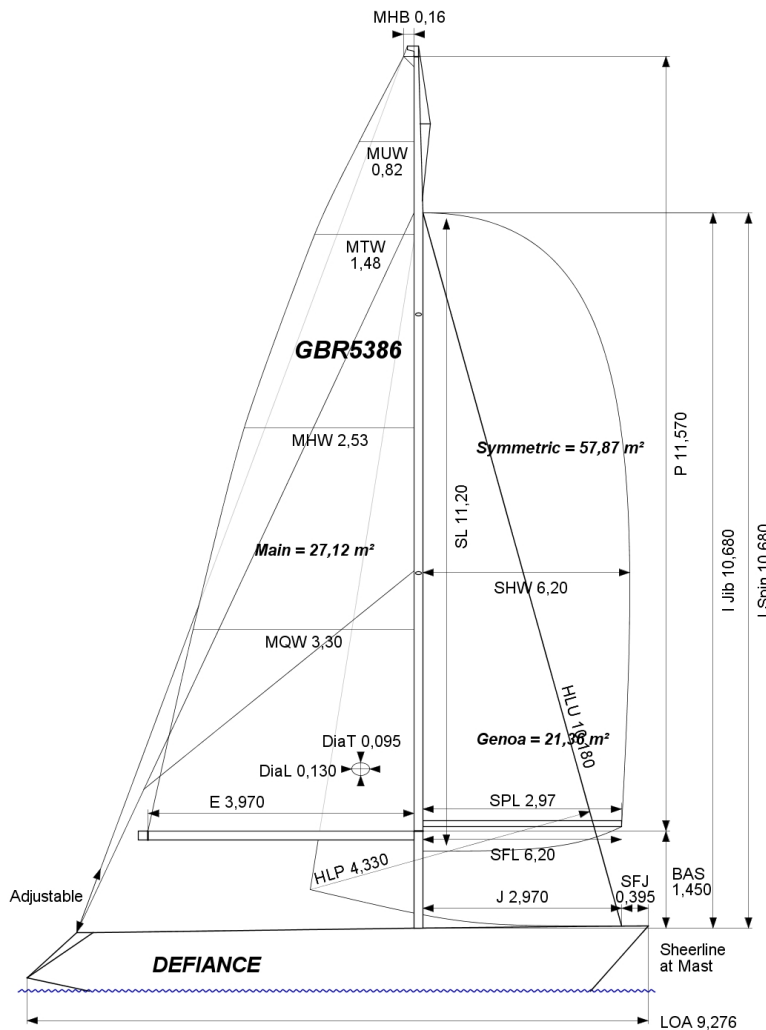
Class Division Length

CDL = **7.682**

Stability

LPS (Estimated): **121.7°**  
 Stability Index: **117.8**  
 OSR Category: **N/A**

Owner



<b>BOAT</b>		<b>GPH</b>		<b>HULL</b>			
Name <b>Defiance</b> Sail Nr <b>GBR5386</b>		<b>671.4</b>		Data File <b>Defiance 2016-</b>	LOA <b>9.276m</b>		
				Offset File <b>DefiaS.off</b>	MB <b>3.048m</b>		
				Displacement <b>2,923kg</b>	Draft <b>1.768m</b>		
<b>CLASS</b>				IMS Division <b>Cruiser/Racer</b>	Dynamic All. <b>0.090%</b>		
Class <b>Toledo 31 Mk2 M</b>				Fwd Accom. <b>Yes</b>	Construction <b>Cored</b>		
Designer <b>David Thomas</b>				Fiber Rigging <b>No</b>	Aramid Core <b>No</b>		
Builder				Crew Arm Ex	Carbon Rudder <b>No</b>		
Series <b>12/1980</b>					Light Stanchions <b>No</b>		
Age Date <b>12/1980</b>				IMSL <b>7.822m</b>	VCGD <b>-0.194m</b>	Sink <b>11.76kg/mm</b>	
Age Allowance <b>0.487%</b>				RL <b>7.541m</b>	VCGM <b>-0.113m</b>	WS <b>16.59m<sup>2</sup></b>	
<b>COMMENTS</b>				LSM0 <b>7.680m</b>	Displacement/Length ratio <b>6.4528</b>		
				Water Ballast <b>0</b>	Trim Tab <b>No</b>		
<b>PROPELLER</b>				<b>CENTERBOARD</b>			
Installation <b>Shaft exposed</b>	PRD <b>0.380</b>			<b>N/A</b>			
Type <b>Feathering 2 blades</b>	PBW <b>0.140</b>						
	PIPA <b>0.0022</b>						
<b>SCORING OPTIONS</b>							
	<b>OFFSHORE</b>			<b>INSHORE</b>			
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD			
Time On Distance	<b>652.9</b>			<b>725.2</b>			
Time On Time	<b>0.9190</b>			<b>0.9308</b>			
Performance Line	PLT	PLD		PLT	PLD		
	<b>0.632</b>	<b>43.6</b>		<b>0.801</b>	<b>214.7</b>		
Triple Number	Low	Medium	High	Low	Medium	High	
	<b>0.8791</b>	<b>1.1326</b>	<b>1.2770</b>	<b>0.6786</b>	<b>0.9258</b>	<b>1.0691</b>	