

<b>BOAT</b> Name <b>GLADIATOR</b> Sail Nr <b>GBR11152X</b>	<b>GPH</b> <b>435.2</b>	<b>HULL</b> Length Overall <b>15.850m</b> Maximum Beam <b>4.434m</b> Displacement <b>6,947kg</b> Draft <b>3.494m</b> IMS Reg. Division <b>Performance</b> Dynamic Allowance <b>0.000%</b> Fwd Accommodation Hull Construction <b>Carbon, Aramid, Light</b> Carbon Rudder <b>Yes</b> Crew Arm Extension IMSL <b>15.548m</b> VCGD <b>-1.530m</b> Sink <b>31.95kg/mm</b> RL <b>16.446m</b> VCGM <b>-1.503m</b> WS <b>40.79m<sup>2</sup></b> LSMO <b>15.055m</b> Displacement/Length ratio <b>2.0359</b>
<b>GENERAL</b> Class <b>TP52</b> Designer <b>J&amp;V</b> Builder <b>PERSICO</b> Series <b>03/2015</b> Age <b>05/2015</b> Age Allowance <b>0.065%</b> Offset File <b>gladiator.off - 05/04/2017 07:11:06</b> Measurement by <b>WILLIAMS - 21/05/2016</b>		



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	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Low	Medium	High	Low	Medium	High
Time On Distance	<b>422.8</b>			<b>483.7</b>		
Time On Time	<b>1.4193</b>			<b>1.3954</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>511.0</b>	<b>385.2</b>	<b>320.3</b>	<b>671.0</b>	<b>491.6</b>	<b>406.6</b>
Time on Time	<b>1.3210</b>	<b>1.7523</b>	<b>2.1072</b>	<b>1.0059</b>	<b>1.3730</b>	<b>1.6600</b>

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>764.4</b>	<b>613.1</b>	<b>550.5</b>	<b>520.7</b>	<b>501.7</b>	<b>488.3</b>	<b>479.0</b>
52°	<b>488.8</b>	<b>402.8</b>	<b>377.4</b>	<b>362.2</b>	<b>350.2</b>	<b>337.7</b>	<b>322.8</b>
60°	<b>451.8</b>	<b>385.4</b>	<b>358.8</b>	<b>340.6</b>	<b>328.3</b>	<b>317.2</b>	<b>299.7</b>
75°	<b>420.9</b>	<b>370.0</b>	<b>331.5</b>	<b>310.4</b>	<b>296.9</b>	<b>287.0</b>	<b>263.1</b>
90°	<b>419.1</b>	<b>370.5</b>	<b>326.8</b>	<b>291.7</b>	<b>272.3</b>	<b>259.2</b>	<b>241.8</b>
110°	<b>449.9</b>	<b>376.0</b>	<b>339.3</b>	<b>310.0</b>	<b>282.6</b>	<b>245.8</b>	<b>213.5</b>
120°	<b>467.9</b>	<b>383.9</b>	<b>335.4</b>	<b>307.8</b>	<b>284.0</b>	<b>256.5</b>	<b>220.1</b>
135°	<b>529.7</b>	<b>412.2</b>	<b>365.9</b>	<b>322.6</b>	<b>281.5</b>	<b>257.6</b>	<b>217.5</b>
150°	<b>638.5</b>	<b>493.0</b>	<b>417.5</b>	<b>371.7</b>	<b>336.9</b>	<b>295.8</b>	<b>230.4</b>
Run VMG	<b>737.3</b>	<b>569.3</b>	<b>482.1</b>	<b>432.9</b>	<b>389.0</b>	<b>341.5</b>	<b>266.1</b>

Selected Courses							
Windward / Leeward	<b>750.9</b>	<b>591.2</b>	<b>516.3</b>	<b>476.8</b>	<b>445.4</b>	<b>414.9</b>	<b>372.6</b>
Circular Random	<b>612.8</b>	<b>490.1</b>	<b>422.3</b>	<b>380.3</b>	<b>351.1</b>	<b>328.9</b>	<b>295.9</b>
Ocean for PCS	<b>762.9</b>	<b>581.2</b>	<b>477.4</b>	<b>411.3</b>	<b>364.9</b>	<b>329.2</b>	<b>276.1</b>
Non Spinnaker	<b>667.1</b>	<b>530.6</b>	<b>454.5</b>	<b>407.1</b>	<b>374.9</b>	<b>351.1</b>	<b>317.3</b>

Velocity Prediction in Knots for True Wind Speeds							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	<b>44.7°</b>	<b>43.4°</b>	<b>40.5°</b>	<b>38.4°</b>	<b>36.8°</b>	<b>36.0°</b>	<b>35.9°</b>
Beat VMG	<b>4.71</b>	<b>5.87</b>	<b>6.54</b>	<b>6.91</b>	<b>7.18</b>	<b>7.37</b>	<b>7.52</b>
52°	<b>7.36</b>	<b>8.94</b>	<b>9.54</b>	<b>9.94</b>	<b>10.28</b>	<b>10.66</b>	<b>11.15</b>
60°	<b>7.97</b>	<b>9.34</b>	<b>10.03</b>	<b>10.57</b>	<b>10.97</b>	<b>11.35</b>	<b>12.01</b>
75°	<b>8.55</b>	<b>9.73</b>	<b>10.86</b>	<b>11.60</b>	<b>12.12</b>	<b>12.54</b>	<b>13.68</b>
90°	<b>8.59</b>	<b>9.72</b>	<b>11.02</b>	<b>12.34</b>	<b>13.22</b>	<b>13.89</b>	<b>14.89</b>
110°	<b>8.00</b>	<b>9.58</b>	<b>10.61</b>	<b>11.61</b>	<b>12.74</b>	<b>14.64</b>	<b>16.86</b>
120°	<b>7.69</b>	<b>9.38</b>	<b>10.73</b>	<b>11.70</b>	<b>12.67</b>	<b>14.04</b>	<b>16.36</b>
135°	<b>6.80</b>	<b>8.73</b>	<b>9.84</b>	<b>11.16</b>	<b>12.79</b>	<b>13.98</b>	<b>16.55</b>
150°	<b>5.64</b>	<b>7.30</b>	<b>8.62</b>	<b>9.69</b>	<b>10.69</b>	<b>12.17</b>	<b>15.62</b>
Run VMG	<b>4.88</b>	<b>6.32</b>	<b>7.47</b>	<b>8.32</b>	<b>9.25</b>	<b>10.54</b>	<b>13.53</b>
Gybe Angles	<b>140.4°</b>	<b>140.1°</b>	<b>146.3°</b>	<b>151.0°</b>	<b>143.7°</b>	<b>139.5°</b>	<b>143.7°</b>

**Certificate**  
Number **US6157**  
ORC Ref **USA00000926**  
Issued On **17/04/2017**  
VPP Ver. **2017 1.00**  
Valid until **28/02/2018**

**Crew Weight**  
Declared **1,300kg**  
Default\* **1,234kg**  
Non Manual Pwr **No**

**Special Scoring**  
ToD ToT  
Non Spin GPH **468.9 1.2796**  
Non Spin OSN **459.7 1.3053**

**Sails Limitations**  
Headsails **7** | Spinnakers **5**

**Class Division Length**  
CDL = **15.999**

**Storm Sails Areas**  
Heavy Weather Jib **52.50**  
Storm Jib (JL=12.82) **19.44**  
Storm Trysail **25.35**

**Owner**

<b>BOAT</b>	
Name <b>GLADIATOR</b>	Sail Nr <b>GBR11152X</b>
File <b>US6157</b>	Data in <b>meters/kilograms</b>

<b>INCLINING TEST AND FREEBOARDS</b>		
Inclining Test <b>Boom Inclining</b>		
Flotation date <b>21/07/2016</b>	SG <b>1.0260</b>	
FFM <b>0.393</b>	FF <b>0.393</b>	SFFP <b>0.005</b>
FAM <b>0.058</b>	FA <b>0.058</b>	SAFP <b>15.860</b>
W1 <b>179.9</b>	PD1 <b>237.8</b>	WD <b>6.870</b>
W2 <b>179.9</b>	PD2 <b>237.5</b>	GSA <b>1.0</b>
W3 <b>179.9</b>	PD3 <b>237.4</b>	RSA <b>1.0</b>
W4 <b>179.9</b>	PD4 <b>237.7</b>	PLM <b>9000.0</b>
LCF from stem on CL / on sheer		<b>8.766 / 9.011</b>
Maximum beam station from stem		<b>13.260</b>
RM Measured		<b>409.6kg·m</b>
RM Default		<b>346.5kg·m</b>
Limit of positive stability / Stab.Index		<b>146.4° / 145.1</b>
Freeboard at mast at 6.800		<b>1.228</b>

<b>RIG</b>			
Forestay Tension <b>Aft</b>	Spreaders <b>3</b>		
Inner Stay <b>None Fitted</b>	Runners <b>1</b>		
Carbon Mast <b>Yes</b>	Jumper Struts <b>None</b>		
Taper Hollows	Jib Furler		
Fiber Rigging <b>Yes</b>	Main Furler		
Lenticular Rigging	Without Backstay		
Articulated Bowsprit <b>No</b>			
P <b>20.400</b>	E <b>7.100</b>	MDT1 <b>0.131</b>	MW <b>0.279</b>
IG <b>19.720</b>	J <b>6.200</b>	MDL1 <b>0.298</b>	GO <b>0.279</b>
ISP <b>22.400</b>	SFJ <b>0.600</b>	MDT2 <b>0.100</b>	BD <b>0.350</b>
BAS <b>2.130</b>	SPL <b>0.000</b>	MDL2 <b>0.153</b>	MWT <b>235.00</b>
FSP <b>0.072</b>	TPS <b>9.000</b>	TL <b>3.230</b>	MCG <b>7.220</b>



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<b>MIZZEN RIG AND SAILS</b>	
N/A	

<b>PROPELLER</b>		
Installation <b>Strut</b>	PRD <b>0.400</b>	
Type <b>Folding 2 blades</b>	PBW <b>0.140</b>	
Twin Screw	PIPA <b>0.0038</b>	
ST1 <b>0.042</b>	ST3 <b>0.180</b>	ST5 <b>0.300</b>
ST2 <b>0.180</b>	ST4 <b>0.112</b>	EDL <b>0.900</b>

<b>Certificate</b>	
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Issued On <b>17/04/2017</b>	
VPP Ver. <b>2017 1.00</b>	
Valid until <b>28/02/2018</b>	

<b>COMMENTS</b>	

<b>MOVEABLE BALLAST</b>	
N/A	

<b>CENTERBOARD</b>	
N/A	



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<b>SAILS (Maximum Areas)</b>									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	1.990	2.62	3.56	4.99	6.13	97.65	100.38	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric Not Available									
Asymmetric	SLU	SLE	SL	SHW	SFL	269.82	AS · (SFL + 4·SHW) / 6		
	25.36	21.60	23.48	13.80	13.75				

<b>HEADSAILS</b>												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0.97	1.73	3.18			6.24	20.18	64.54	Y			Unknow	

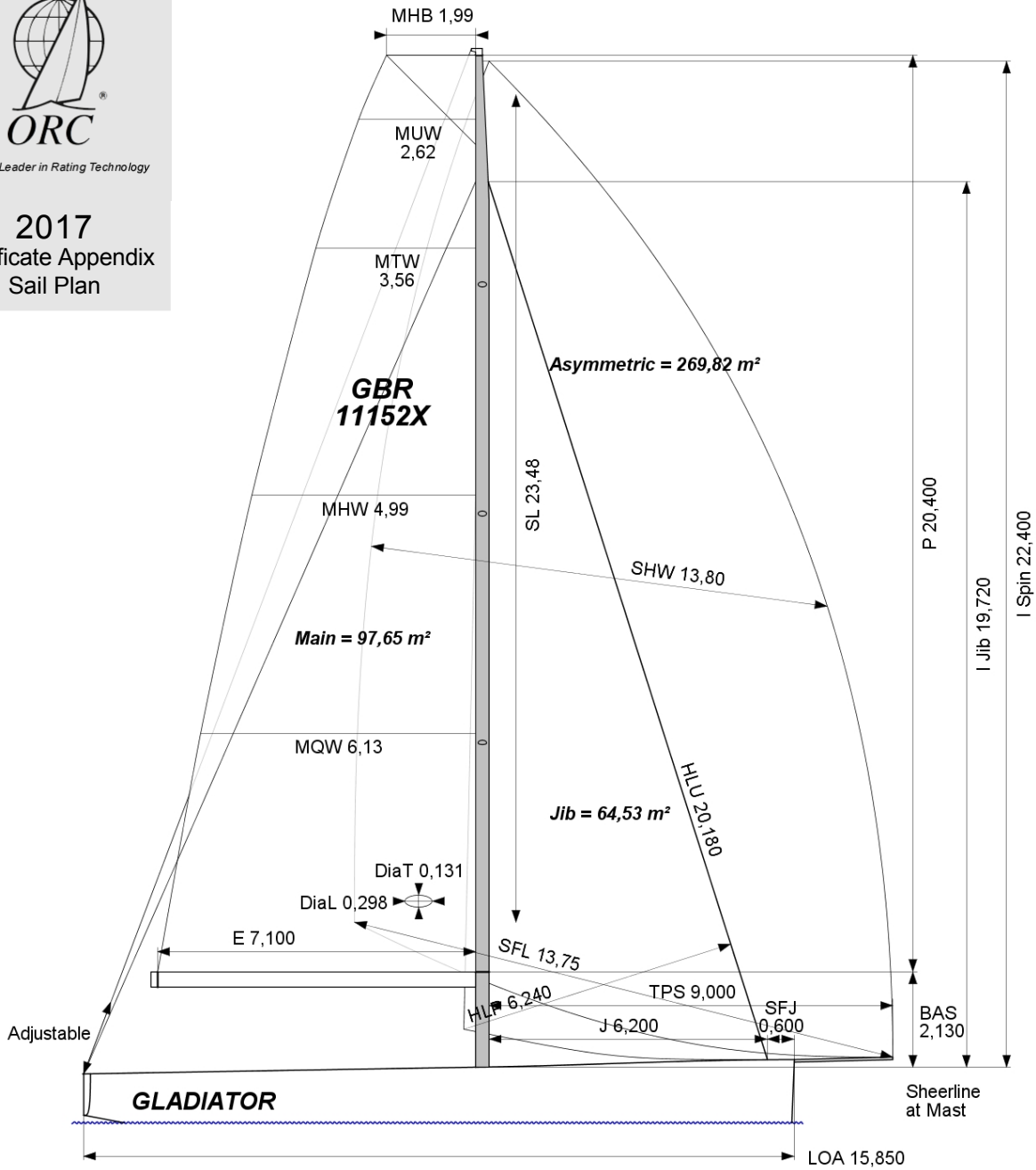
<b>MEASUREMENT INVENTORY</b>				
Measurer <b>FERRER</b>				
Date <b>21/07/2016</b>				
Comment <b>PORTO CERVO</b>				
Id	Item	Weight	Distance	VCG Description
Id	Item	Weight Description		

<b>MEASUREMENT INVENTORY</b>				
Id	Item	Weight	Distance	VCG Description



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Sail Plan



**SAILS INVENTORY**

**MAINSAIL (2)**

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
MN1	1.990	2.62	3.56	4.99	6.13	97.65				Unknown	P=20.4, E=7.1
MN2	0.200	2.70	3.66	5.02	6.09	95.91				Unknown	P=20.4, E=7.00

**HEADSAILS (1)**

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
JL		0.97	1.73	3.18		6.24	20.18	101%	64.54	Y						Unknown

**SYMMETRIC SPINNAKERS (0)**

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
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**ASYMMETRIC SPINNAKERS (1)**

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
A2-1	25.36	21.60	23.48	13.80	13.75	269.82	asym				Unknown	