

<b>BOAT</b>
Name <b>MOANI</b>
Sail Nr <b>PER-9180</b>

<b>GPH</b>
<b>639.7</b>

<b>HULL</b>	
Length Overall	<b>11.406 m</b>
Maximum Beam	<b>3.944 m</b>
Displacement	<b>7,488 kg</b>
Draft	<b>2.367 m</b>
IMS Reg. Division	<b>Cruiser/Racer</b>
Dynamic Allowance	<b>0.517%</b>
Fwd Accommodation	<b>Yes</b>
Hull Construction	<b>Solid</b>
Carbon Rudder	<b>No</b>
Trim Tab	<b>No</b>
IMS L	<b>10.036</b>
VCGD	<b>0.114</b>
VCGM	<b>0.271</b>
Sink	<b>21.06 kg/mm</b>
Wetted Area	<b>29.92 m<sup>2</sup></b>



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<b>GENERAL</b>	
Class	<b>Hunter37.5custom KI</b>
Designer	
Builder	<b>Hunter</b>
Series	<b>01/1990</b>
Age	<b>01/1990</b>
Age Allowance	<b>0.975%</b>
Offset File	<b>sestril.off - 22/02/2005 11:24:40 a.m.</b>
Measurement by	<b>Ricardo Chalco - 14/07/1995</b>

<b>SCORING OPTIONS</b>						
	<b>OFFSHORE</b>			<b>INSHORE</b>		
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	<b>639.7</b>			<b>712.4</b>		
Time On Time	<b>0.9379</b>			<b>0.9475</b>		
Performance Line	PLT	PLD		PLT	PLD	
	<b>0.850</b>	<b>122.6</b>		<b>1.017</b>	<b>316.2</b>	
Triple Number	Low	Medium	High	Low	Medium	High
	<b>0.9202</b>	<b>1.1927</b>	<b>1.3319</b>	<b>0.7001</b>	<b>0.9677</b>	<b>1.1200</b>

**Rating Office**

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Asociación de Veleros  
Oceánicos del Peru

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1064.3</b>	<b>865.7</b>	<b>769.9</b>	<b>729.8</b>	<b>706.3</b>	<b>692.0</b>	<b>692.0</b>
52°	<b>684.0</b>	<b>573.7</b>	<b>532.6</b>	<b>514.6</b>	<b>504.8</b>	<b>498.5</b>	<b>494.5</b>
60°	<b>638.4</b>	<b>551.4</b>	<b>515.9</b>	<b>497.6</b>	<b>488.7</b>	<b>482.8</b>	<b>477.6</b>
75°	<b>602.7</b>	<b>535.1</b>	<b>502.8</b>	<b>481.4</b>	<b>467.7</b>	<b>461.2</b>	<b>454.0</b>
90°	<b>602.9</b>	<b>527.3</b>	<b>492.5</b>	<b>471.0</b>	<b>460.9</b>	<b>451.5</b>	<b>437.1</b>
110°	<b>626.2</b>	<b>540.7</b>	<b>502.3</b>	<b>475.5</b>	<b>453.8</b>	<b>437.1</b>	<b>421.0</b>
120°	<b>671.8</b>	<b>560.0</b>	<b>514.8</b>	<b>485.2</b>	<b>461.6</b>	<b>441.4</b>	<b>411.1</b>
135°	<b>783.9</b>	<b>620.4</b>	<b>546.2</b>	<b>508.6</b>	<b>481.9</b>	<b>459.6</b>	<b>422.5</b>
150°	<b>938.6</b>	<b>729.9</b>	<b>607.8</b>	<b>545.1</b>	<b>509.4</b>	<b>483.5</b>	<b>442.8</b>
Run VMG	<b>1083.8</b>	<b>842.8</b>	<b>701.4</b>	<b>611.0</b>	<b>555.0</b>	<b>518.7</b>	<b>470.6</b>

<b>Certificate</b>	
Number	<b>PERI04</b>
ORC Ref	<b>PER00000330</b>
Issued On	<b>03/07/2010</b>
VPP Ver.	<b>2010 1.11</b>
Valid until	<b>31/03/2011</b>

<b>Selected Courses</b>							
Windward / Leeward	<b>1092.7</b>	<b>868.3</b>	<b>747.7</b>	<b>679.5</b>	<b>638.3</b>	<b>612.3</b>	<b>587.5</b>
Circular Random	<b>882.1</b>	<b>711.4</b>	<b>620.3</b>	<b>568.0</b>	<b>536.4</b>	<b>516.3</b>	<b>492.8</b>
Ocean for PCS	<b>943.1</b>	<b>744.2</b>	<b>634.5</b>	<b>568.6</b>	<b>526.3</b>	<b>497.1</b>	<b>457.4</b>
Non Spinnaker	<b>932.5</b>	<b>745.8</b>	<b>644.9</b>	<b>586.2</b>	<b>550.3</b>	<b>527.4</b>	<b>500.9</b>

<b>Crew Weight</b>	
Declared	<b>700 kg</b>
Default*	<b>671 kg</b>
Non Manual Power	<b>No</b>

<b>Special Scoring</b>		
	ToD	ToT
Double Handed	<b>644.2</b>	<b>0.9314</b>
Non Spinnaker	<b>666.0</b>	<b>0.9009</b>
N/S Perf. Line	<b>91.0</b>	<b>0.771</b>

<b>Velocity Prediction in Knots for True Wind Speeds</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	<b>44.3°</b>	<b>43.0°</b>	<b>40.0°</b>	<b>38.1°</b>	<b>36.8°</b>	<b>36.1°</b>	<b>36.8°</b>
Beat VMG	<b>3.38</b>	<b>4.16</b>	<b>4.68</b>	<b>4.93</b>	<b>5.10</b>	<b>5.20</b>	<b>5.20</b>
52°	<b>5.26</b>	<b>6.27</b>	<b>6.76</b>	<b>7.00</b>	<b>7.13</b>	<b>7.22</b>	<b>7.28</b>
60°	<b>5.64</b>	<b>6.53</b>	<b>6.98</b>	<b>7.24</b>	<b>7.37</b>	<b>7.46</b>	<b>7.54</b>
75°	<b>5.97</b>	<b>6.73</b>	<b>7.16</b>	<b>7.48</b>	<b>7.70</b>	<b>7.81</b>	<b>7.93</b>
90°	<b>5.97</b>	<b>6.83</b>	<b>7.31</b>	<b>7.64</b>	<b>7.81</b>	<b>7.97</b>	<b>8.24</b>
110°	<b>5.75</b>	<b>6.66</b>	<b>7.17</b>	<b>7.57</b>	<b>7.93</b>	<b>8.24</b>	<b>8.55</b>
120°	<b>5.36</b>	<b>6.43</b>	<b>6.99</b>	<b>7.42</b>	<b>7.80</b>	<b>8.16</b>	<b>8.76</b>
135°	<b>4.59</b>	<b>5.80</b>	<b>6.59</b>	<b>7.08</b>	<b>7.47</b>	<b>7.83</b>	<b>8.52</b>
150°	<b>3.84</b>	<b>4.93</b>	<b>5.92</b>	<b>6.60</b>	<b>7.07</b>	<b>7.45</b>	<b>8.13</b>
Run VMG	<b>3.32</b>	<b>4.27</b>	<b>5.13</b>	<b>5.89</b>	<b>6.49</b>	<b>6.94</b>	<b>7.65</b>
Gybe Angles	<b>143.4°</b>	<b>146.9°</b>	<b>151.7°</b>	<b>163.7°</b>	<b>172.1°</b>	<b>174.9°</b>	<b>176.0°</b>

<b>Sails Limitations</b>		
Genoas	Jibs	Spinnakers
<b>1</b>	<b>0</b>	<b>3</b>
Spinnaker configuration <b>Symmetric</b>		

<b>Storm Sails Areas</b>	
Heavy Weather Jib	<b>29.37</b>
Storm Jib (JL=9.59)	<b>10.88</b>
Storm Trysail	<b>12.33</b>

<b>Owner</b>	
<b>Johnny Bravo</b>	
I certify that I understand my responsibilities under ORC Rules and Regulations	
Signature	

<b>BOAT</b>	
Name <b>MOANI</b>	Sail Nr <b>PER-9180</b>
File <b>PER9180.dxt</b>	Data in <b>meters/kilograms</b>

<b>INCLINING TEST AND FREEBOARDS</b>		
Inclining Test <b>Current Inclining</b>		
Flotation date <b>20/01/2005</b>		SG <b>1.0260</b>
FFM <b>1.360</b>	FF <b>1.360</b>	SFFP <b>0.611</b>
FAM <b>1.160</b>	FA <b>1.160</b>	SAFP <b>10.276</b>
W1 <b>19.000</b>	PD1 <b>66.2</b>	WD <b>11.800</b>
W2 <b>38.000</b>	PD2 <b>132.5</b>	GSA <b>50.0</b>
W3 <b>57.000</b>	PD3 <b>198.8</b>	RSA <b>8300.0</b>
W4 <b>76.000</b>	PD4 <b>263.0</b>	PLM <b>2130.0</b>
Maximum beam station from stern		<b>6.703</b>
RM Measured / Default		<b>125.4 / 156.8</b>
Limit of positive stability		<b>106.7°</b>
Stability Index		<b>108.3</b>
Freeboard at mast at 4.540		<b>1.250</b>



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<b>RIG</b>			
Forestay Tension <b>Fixed</b>	Spreaders <b>2</b>		
Inner Forestay <b>None Fitted</b>	Runners <b>0</b>		
Carbon Mast <b>No</b>	Jumpers <b>None</b>		
Taper Hollows <b>No</b>	Jib Furler <b>Yes</b>		
Fiber Rigging <b>No</b>	w/o Backstay <b>No</b>		
P <b>14.940</b>	E <b>4.715</b>	MDT1 <b>0.144</b>	TL <b>1.500</b>
IG <b>14.710</b>	J <b>4.130</b>	MDL1 <b>0.223</b>	MWT
ISP <b>14.980</b>	SFJ <b>0.410</b>	MDT2 <b>0.144</b>	MCG
SPS <b>4.942</b>	SPL <b>4.130</b>	MDL2 <b>0.180</b>	CPW
BAS <b>1.780</b>	TPS	MW <b>0.224</b>	BD <b>0.175</b>
BAL <b>0.210</b>	FSP <b>0.070</b>	GO <b>0.235</b>	BWT

<b>PROPELLER</b>			
Installation <b>Shaft</b>	PRD <b>0.429</b>		
Type <b>Folding</b>	PBW <b>0.120</b>		
Twin Screw <b>No</b>	PIPA <b>0.0031</b>		
PSA <b>16.000</b>	PHL <b>0.150</b>	ST3 <b>0.092</b>	ESL <b>1.047</b>
PSD <b>0.025</b>	ST1 <b>0.017</b>	ST4 <b>0.045</b>	
PHD <b>0.046</b>	ST2 <b>0.078</b>	ST5 <b>0.226</b>	

**Certificate**

Number **PER104**  
ORC Ref **PER00000330**  
Issued On **03/07/2010**  
VPP Ver. **2010 1.11**  
Valid until **31/03/2011**



**AVOP**

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

<b>WATER BALLAST</b>	
N/A	

<b>COMMENTS</b>	
Casco US19648 con quilla lanzada x-Sestril	

<b>CENTERBOARD</b>	
N/A	

<b>SAILS (Maximum Areas)</b>											
Mainsail	HB	MGT	MGU	MGM	MGL	MSW	Area	Area (r)	Formula		
	0.150	0.95	1.72	2.97	3.94	18.00	41.35	41.97	P/8 · (E + 2·MGL + 2·MGM + 1.5·MGU + MGT + 0.5·HB)		
Jib/Genoa	JH	JGT	JGU	JGM	JGL	JL	LPG				
	0.00	0.76	1.52	3.05	4.57	15.32	6.09			46.64	
											0.1125·JL·(1.445·LPG+2·JGL+2·JGM+1.5·JGU+JGT+0.5·JH)
Symmetric	SL	SMG	SF								
	14.34	7.36	7.42								88.10
										SL · (SF + 4·SMG) / 6	

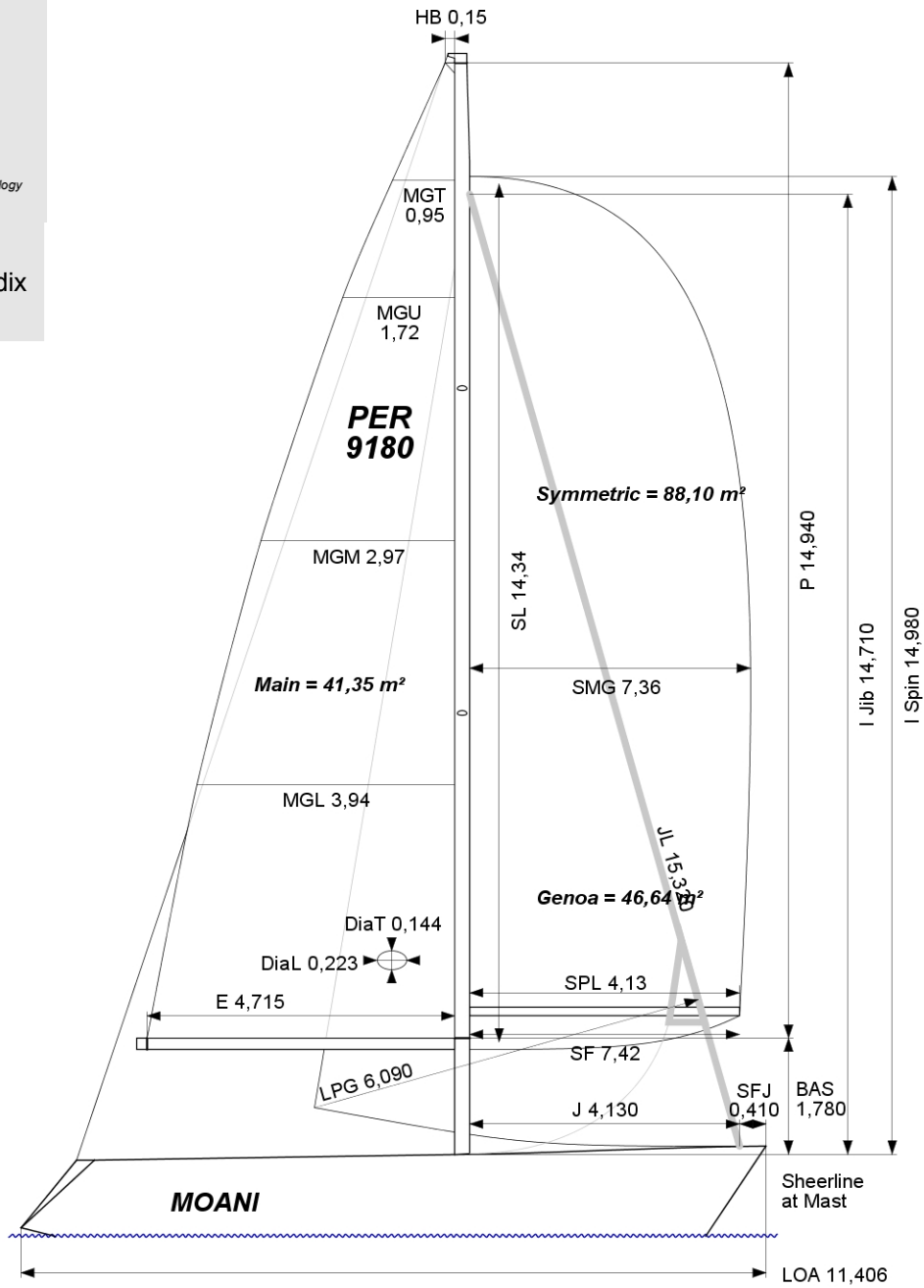
<b>MEASUREMENT INVENTORY</b>			
Measurer Date Comment			
Id	Item	Weight	Distanc Description
OR	Anchor	15.0	1.10 *Legacy Anchor*
Id	Item	Weight	Description

<b>MEASUREMENT INVENTORY</b>			
Id	Item	Weight	Distanc Description



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Sail Plan



**SAILS INVENTORY**

**MANSAL**

Id	HB	MGT	MGU	MGM	MGL	MSW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC	0.150	0.95	1.72	2.97	3.94	18.00	41.35					* Copied from legacy

**JIBS / GENOAS**

Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Overlp	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC						6.09	0.00	147%	46.64					* Copied from

**SYMMETRIC SPINNAKERS**

Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC	14.34	7.36	7.42	88.10					* Copied from legacy *

**ASYMMETRIC SPINNAKERS**

Id	SLU	SLE	ASL	AMG	ASF	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
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