

<b>BOAT</b> Name <b>POLEMIQUE 2</b> Sail Nr <b>ITA-3380</b>	<b>GPH</b> <b>629.7</b>	<b>HULL</b> Length Overall <b>8.336m</b> Maximum Beam <b>2.684m</b> Displacement <b>1,252kg</b> Draft <b>1.943m</b> IMS Reg. Division <b>Sportboat</b> Dynamic Allowance <b>0.000%</b> Fwd Accommodation <b>No</b> Hull Construction <b>Cored</b> Carbon Rudder <b>Yes</b> Crew Arm Extension
<b>GENERAL</b> Class <b>DELTA 84</b> Designer <b>PERACCA</b> Builder <b>BRAZZONI</b> Series <b>01/1997</b> Age <b>01/1997</b> Age Allowance <b>0.487%</b> Offset File <b>DELTA84.off - 27/04/2018 22:18:02</b> Measurement by <b>GALE-PINDOZZI - 17/05/2018</b>		IMSL <b>7.840m</b> VCGD <b>0.141m</b> Sink <b>10.16kg/mm</b> RL <b>8.063m</b> VCGM <b>0.040m</b> WS <b>12.46m<sup>2</sup></b> LSM0 <b>7.384m</b> Displacement/Length ratio <b>3.1098</b>



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	<b>612.3</b>			<b>691.4</b>		
Time on Time	<b>0.9798</b>			<b>0.9762</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>715.3</b>	<b>561.1</b>	<b>492.8</b>	<b>921.3</b>	<b>693.7</b>	<b>611.9</b>
Time on Time	<b>0.9437</b>	<b>1.2031</b>	<b>1.3696</b>	<b>0.7327</b>	<b>0.9731</b>	<b>1.1031</b>

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1017.6</b>	<b>833.3</b>	<b>759.2</b>	<b>743.6</b>	<b>739.9</b>	<b>729.4</b>	<b>733.6</b>
52°	<b>671.9</b>	<b>572.4</b>	<b>542.5</b>	<b>533.0</b>	<b>528.5</b>	<b>522.0</b>	<b>514.5</b>
60°	<b>636.7</b>	<b>557.9</b>	<b>526.6</b>	<b>512.2</b>	<b>505.0</b>	<b>499.6</b>	<b>485.6</b>
75°	<b>612.6</b>	<b>547.8</b>	<b>508.5</b>	<b>479.7</b>	<b>466.8</b>	<b>459.4</b>	<b>440.5</b>
90°	<b>619.3</b>	<b>544.8</b>	<b>506.2</b>	<b>468.5</b>	<b>437.2</b>	<b>420.5</b>	<b>406.2</b>
110°	<b>636.2</b>	<b>544.3</b>	<b>492.5</b>	<b>447.7</b>	<b>420.8</b>	<b>398.2</b>	<b>358.9</b>
120°	<b>660.0</b>	<b>555.2</b>	<b>505.5</b>	<b>454.8</b>	<b>407.1</b>	<b>375.8</b>	<b>337.2</b>
135°	<b>741.4</b>	<b>596.4</b>	<b>538.1</b>	<b>492.9</b>	<b>446.7</b>	<b>399.5</b>	<b>311.2</b>
150°	<b>888.5</b>	<b>699.9</b>	<b>590.2</b>	<b>536.7</b>	<b>495.0</b>	<b>453.6</b>	<b>366.0</b>
Run VMG	<b>1026.0</b>	<b>808.1</b>	<b>679.1</b>	<b>602.7</b>	<b>549.2</b>	<b>510.4</b>	<b>430.9</b>

**Certificate**

Number **33801**  
ORC Ref **ITA00027421**  
Issued On **17/05/2018**  
VPP Ver. **2018 1.00**  
Valid until **31/12/2018**

**Crew Weight**

Default **447kg**  
Maximum **415kg**  
Minimum\* **311kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Double H.GPH	<b>644.9</b>	<b>0.9304</b>
Double H.OSN	<b>632.0</b>	<b>0.9493</b>
Non Spin GPH	<b>659.7</b>	<b>0.9095</b>
Non Spin OSN	<b>640.7</b>	<b>0.9365</b>

Selected Courses							
Windward / Leeward	<b>1021.8</b>	<b>820.7</b>	<b>719.2</b>	<b>673.2</b>	<b>644.6</b>	<b>619.9</b>	<b>582.2</b>
Circular Random	<b>862.6</b>	<b>699.0</b>	<b>611.7</b>	<b>560.3</b>	<b>527.0</b>	<b>503.0</b>	<b>467.7</b>
Coastal / Long Distance	<b>1022.2</b>	<b>774.5</b>	<b>652.7</b>	<b>585.9</b>	<b>542.1</b>	<b>503.1</b>	<b>440.0</b>
Non Spinnaker	<b>914.7</b>	<b>736.0</b>	<b>639.9</b>	<b>583.3</b>	<b>546.9</b>	<b>521.1</b>	<b>483.6</b>

**Sails Limitations**

Headsails	5	Spinnakers	3
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Dacron Sails

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>42.1°</b>	<b>40.9°</b>	<b>37.7°</b>	<b>37.3°</b>	<b>37.4°</b>	<b>37.1°</b>	<b>38.1°</b>
Beat VMG	<b>3.54</b>	<b>4.32</b>	<b>4.74</b>	<b>4.84</b>	<b>4.87</b>	<b>4.94</b>	<b>4.91</b>
52°	<b>5.36</b>	<b>6.29</b>	<b>6.64</b>	<b>6.75</b>	<b>6.81</b>	<b>6.90</b>	<b>7.00</b>
60°	<b>5.65</b>	<b>6.45</b>	<b>6.84</b>	<b>7.03</b>	<b>7.13</b>	<b>7.21</b>	<b>7.41</b>
75°	<b>5.88</b>	<b>6.57</b>	<b>7.08</b>	<b>7.50</b>	<b>7.71</b>	<b>7.84</b>	<b>8.17</b>
90°	<b>5.81</b>	<b>6.61</b>	<b>7.11</b>	<b>7.68</b>	<b>8.23</b>	<b>8.56</b>	<b>8.86</b>
110°	<b>5.66</b>	<b>6.61</b>	<b>7.31</b>	<b>8.04</b>	<b>8.55</b>	<b>9.04</b>	<b>10.03</b>
120°	<b>5.45</b>	<b>6.48</b>	<b>7.12</b>	<b>7.92</b>	<b>8.84</b>	<b>9.58</b>	<b>10.68</b>
135°	<b>4.86</b>	<b>6.04</b>	<b>6.69</b>	<b>7.30</b>	<b>8.06</b>	<b>9.01</b>	<b>11.57</b>
150°	<b>4.05</b>	<b>5.14</b>	<b>6.10</b>	<b>6.71</b>	<b>7.27</b>	<b>7.94</b>	<b>9.83</b>
Run VMG	<b>3.51</b>	<b>4.45</b>	<b>5.30</b>	<b>5.97</b>	<b>6.55</b>	<b>7.05</b>	<b>8.36</b>
Gybe Angles	<b>140.4°</b>	<b>147.4°</b>	<b>152.2°</b>	<b>162.7°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>150.7°</b>

**Class Division Length**

CDL = **7.952**

**Storm Sails Areas**

Heavy Weather Jib	<b>13.61</b>
Storm Jib (JL=6.53)	<b>5.04</b>
Storm Trysail	<b>7.16</b>

**Owner**

<b>BOAT</b>	
Name <b>POLEMIQUE 2</b>	Sail Nr <b>ITA-3380</b>
File <b>I3380</b>	Data in <b>meters/kilograms</b>

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Current Inclining</b>			
Flotation date <b>16/04/2018</b>	SG <b>1.0160</b>		
FFM <b>0.895</b>	FF <b>0.897</b>	SFFP <b>0.142</b>	
FAM <b>0.625</b>	FA <b>0.626</b>	SAFP <b>8.032</b>	
W1 <b>26.9</b>	PD1 <b>530.1</b>	WD <b>7.960</b>	
W2 <b>26.9</b>	PD2 <b>531.5</b>	GSA <b>1.0</b>	
W3 <b>26.9</b>	PD3 <b>534.3</b>	RSA <b>1.0</b>	
W4 <b>26.9</b>	PD4 <b>534.3</b>	PLM <b>9000.0</b>	
LCF from stem on CL / on sheer		<b>4.630 / 4.807</b>	
Maximum beam station from stem		<b>5.252</b>	
RM Measured		<b>31.7kg·m</b>	
RM Default		<b>36.5kg·m</b>	
Limit of positive stability / Stab.Index		<b>102.0° / 94.4</b>	
Freeboard at mast at 2.900		<b>0.765</b>	



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**IMS Measurement Certificate**

<b>RIG</b>				
Forestay Tension <b>Aft</b>	Spreaders <b>2</b>			
Inner Stay <b>None Fitted</b>	Runners <b>0</b>			
Carbon Mast <b>No</b>	Jumper Struts <b>Yes</b>			
Taper Hollows <b>No</b>	Jib Furler <b>No</b>			
Fiber Rigging <b>No</b>	Main Furler <b>No</b>			
Lenticular Rigging <b>No</b>	Without Backstay <b>No</b>			
Articulated Bowsprit <b>No</b>				
P <b>10.570</b>	E <b>3.870</b>	MDT1 <b>0.082</b>	MW <b>0.124</b>	
IG <b>9.962</b>	J <b>2.900</b>	MDL1 <b>0.124</b>	GO <b>0.147</b>	
ISP <b>10.012</b>	SFJ <b>0.000</b>	MDT2 <b>0.066</b>	BD <b>0.134</b>	
BAS <b>1.123</b>	SPL <b>2.894</b>	MDL2 <b>0.075</b>	MWT <b>52.70</b>	
FSP <b>0.056</b>	TPS	TL <b>2.129</b>	MCG <b>4.258</b>	

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

<b>PROPELLER</b>	
Type <b>No Propeller</b>	

<b>COMMENTS</b>	

<b>MOVABLE BALLAST</b>	
N/A	



Invalid for Racing

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<b>CENTERBOARD</b>	
N/A	

<b>SAILS (Maximum Areas)</b>									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.345	0.90	1.49	2.46	3.26	24.60	25.14	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL	43.16		SL · (SFL + 4·SHW) / 6	
	9.71	9.71	9.71	5.34	5.31				
Asymmetric	Not Available								

<b>HEADSAILS</b>												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
<b>HHB</b>	<b>HUW</b>	<b>HTW</b>	<b>HHW</b>	<b>HQW</b>	<b>HLP</b>	<b>HLU</b>	<b>Area</b>	<b>Btn</b>	<b>Fly</b>	<b>Meas.Date</b>	<b>Material</b>	<b>Comment</b>
0.11	0.52	0.93	1.67	2.35	3.03	10.01	16.20	N	N	24/04/2018	Dacron	J1
0.10	0.50	0.91	1.63	2.32	3.03	9.96	15.90	Y	N	04/05/2018	Dacron	J2-NS
0.00	0.00	0.00	0.00	0.00	2.85	9.63	13.97	Y	N	04/05/2018	Dacron	J3-NS

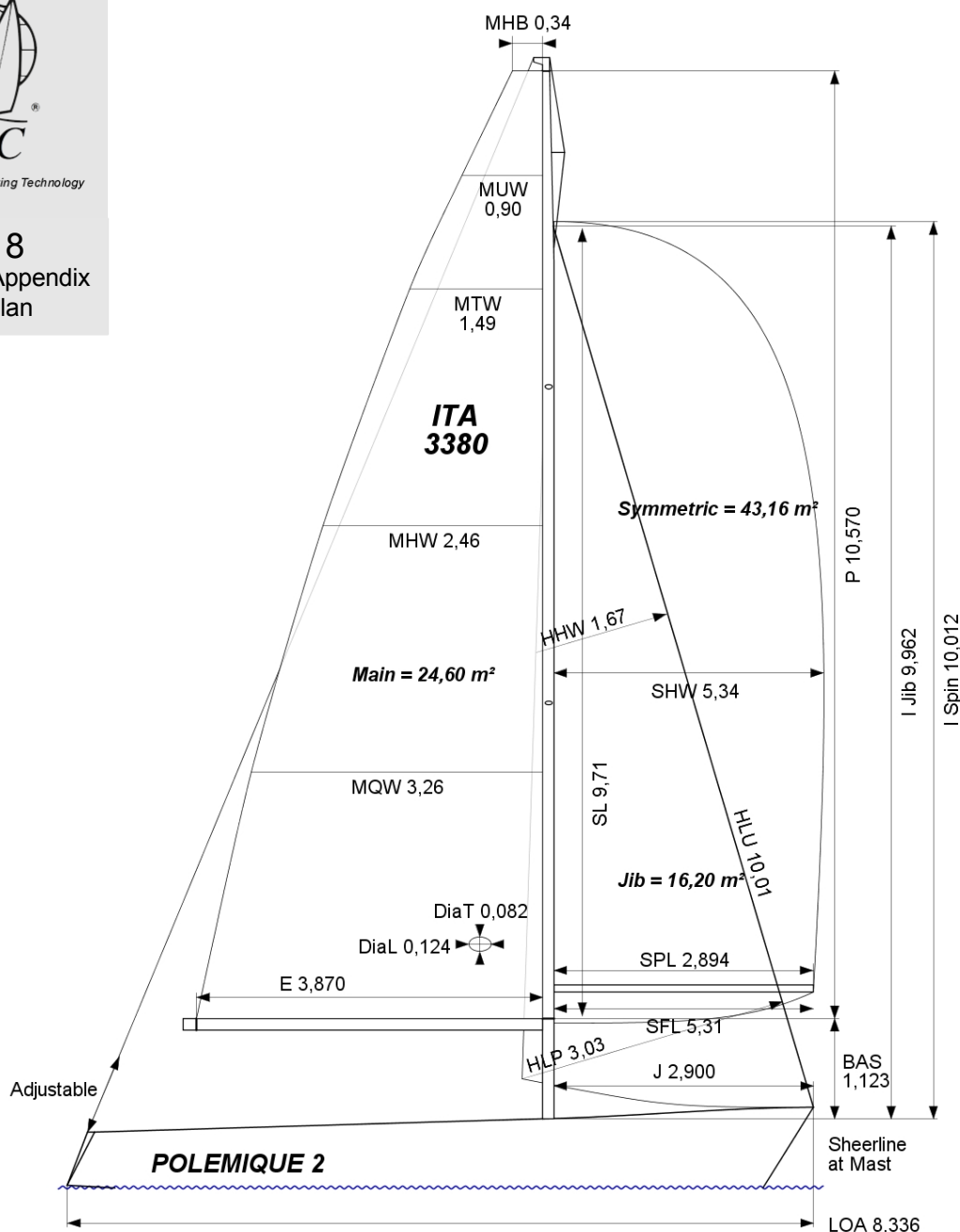
<b>MEASUREMENT INVENTORY</b>				
Measurer <b>PINDOZZI FIV 174</b>				
Date <b>16/04/2018</b>				
Comment <b>Sistiana</b>				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
A	Engine	MERCURY	2T - 4 CV	
<i>Id</i>	<i>Item</i>	<i>Weight Description</i>		

<b>MEASUREMENT INVENTORY</b>				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
A	Ballast	102.0	5.22	0.00 LEAD SHEETS
A	Misc	22.8	3.32	0.00 OUTBOARD ENGINE



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Sail Plan



SAILS INVENTORY																
<b>MAINSAIL (1)</b>																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
B	0.345	0.90	1.49	2.46	3.26	24.60	GALE	24/04/2018	OLIMPIC	Dacron	NS					
<b>HEADSAILS (3)</b>																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
B	0.11	0.52	0.93	1.67	2.35	3.03	10.01	104%	16.20	N	N	GALE	24/04/2018	OLIMPIC	Dacron	J1
D	0.10	0.50	0.91	1.63	2.32	3.03	9.96	104%	15.90	Y	N	PINDOZZ	04/05/2018	OLIMPIC	Dacron	J2-NS
C	0.00	0.00	0.00	0.00	0.00	2.85	9.63	98%	13.97	Y	N	PINDOZZ	04/05/2018	OLIMPIC	Dacron	J3-NS
<b>SYMMETRIC SPINNAKERS (2)</b>																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
B	9.71	9.71	9.71	5.34	5.31	43.16	PINDOZZI	04/05/2018	OLIMPIC	Nylon	S1-NS					
A	9.80	9.80	9.80	4.95	4.90	40.34	PINDOZZI	16/04/2018	ULLMAN	Nylon	S1-A					
<b>ASYMMETRIC SPINNAKERS (0)</b>																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				