

<b>BOAT</b> Name <b>ATLANTIC PUFFIN</b> Sail Nr <b>POL 14085</b>	<b>GPH</b> <b>803.7</b>	<b>HULL</b> Length Overall <b>6.370m</b> Maximum Beam <b>2.522m</b> Displacement <b>1,687kg</b> Draft <b>1.363m</b> IMS Reg. Division <b>Performance</b> Dynamic Allowance <b>0.148%</b> Fwd Accommodation <b>No</b> Hull Construction <b>Solid</b> Carbon Rudder <b>No</b> Crew Arm Extension IMSL <b>6.180m</b> VCGD <b>-0.150m</b> Sink <b>9.69kg/mm</b> RL <b>4.543m</b> VCGM <b>-0.176m</b> WS <b>12.07m<sup>2</sup></b> LSM0 <b>6.040m</b> Displacement/Length ratio <b>7.6560</b>
<b>GENERAL</b> Class <b>MAXUS 22</b> Designer <b>J. Daszkiewicz</b> Builder <b>Northman</b> Series <b>02/2013</b> Age <b>04/2014</b> Age Allowance <b>0.163%</b> Offset File <b>maxus22_dv CORRECT.off -</b> Measurement by <b>P.Adamowicz - 25/07/2018</b>		



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<b>SCORING OPTIONS</b>						
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time on Distance	<b>780.4</b>			<b>869.1</b>		
Time on Time	<b>0.7689</b>			<b>0.7766</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>928.2</b>	<b>712.0</b>	<b>622.6</b>	<b>1201.9</b>	<b>881.1</b>	<b>746.6</b>
Time on Time	<b>0.7272</b>	<b>0.9480</b>	<b>1.0842</b>	<b>0.5616</b>	<b>0.7661</b>	<b>0.9041</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1465.0</b>	<b>1217.4</b>	<b>1086.8</b>	<b>990.7</b>	<b>917.8</b>	<b>883.8</b>	<b>898.9</b>
52°	<b>952.7</b>	<b>802.9</b>	<b>714.9</b>	<b>663.2</b>	<b>634.8</b>	<b>619.2</b>	<b>614.8</b>
60°	<b>898.8</b>	<b>760.8</b>	<b>681.1</b>	<b>642.0</b>	<b>619.3</b>	<b>602.9</b>	<b>592.1</b>
75°	<b>844.5</b>	<b>701.7</b>	<b>638.7</b>	<b>613.2</b>	<b>601.3</b>	<b>585.3</b>	<b>555.1</b>
90°	<b>782.8</b>	<b>658.8</b>	<b>611.8</b>	<b>584.0</b>	<b>562.3</b>	<b>551.9</b>	<b>536.6</b>
110°	<b>775.0</b>	<b>655.5</b>	<b>610.1</b>	<b>578.1</b>	<b>547.3</b>	<b>521.3</b>	<b>489.1</b>
120°	<b>801.6</b>	<b>670.3</b>	<b>617.8</b>	<b>585.6</b>	<b>554.3</b>	<b>525.9</b>	<b>480.0</b>
135°	<b>884.2</b>	<b>725.3</b>	<b>642.0</b>	<b>605.2</b>	<b>575.0</b>	<b>545.5</b>	<b>495.2</b>
150°	<b>1024.5</b>	<b>818.0</b>	<b>697.1</b>	<b>634.4</b>	<b>602.2</b>	<b>574.0</b>	<b>522.0</b>
Run VMG	<b>1183.0</b>	<b>942.3</b>	<b>800.4</b>	<b>700.5</b>	<b>640.1</b>	<b>607.1</b>	<b>553.3</b>

**Certificate**

Number **52**  
ORC Ref **POL00001046**  
Issued On **17/08/2018**  
VPP Ver. **2018 1.00**  
Valid until **31/12/2018**

**Crew Weight**

Default **335kg**  
Maximum **230kg**  
Minimum\* **145kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Double H.GPH	<b>802.9</b>	<b>0.7473</b>
Double H.OSN	<b>779.9</b>	<b>0.7694</b>
Non Spin GPH	<b>852.8</b>	<b>0.7036</b>
Non Spin OSN	<b>819.5</b>	<b>0.7322</b>

<b>Selected Courses</b>							
Windward / Leeward	<b>1324.0</b>	<b>1079.9</b>	<b>943.6</b>	<b>845.6</b>	<b>779.0</b>	<b>745.4</b>	<b>726.1</b>
Circular Random	<b>1113.3</b>	<b>897.6</b>	<b>780.1</b>	<b>709.9</b>	<b>665.6</b>	<b>636.9</b>	<b>605.0</b>
Coastal / Long Distance	<b>1309.9</b>	<b>1009.3</b>	<b>846.0</b>	<b>740.0</b>	<b>675.5</b>	<b>632.1</b>	<b>572.8</b>
Non Spinnaker	<b>1202.1</b>	<b>960.1</b>	<b>826.3</b>	<b>745.6</b>	<b>694.6</b>	<b>661.8</b>	<b>625.9</b>

**Sails Limitations**

Headsails	Spinnakers
<b>5</b>	<b>3</b>

**Dacron Sails**

<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>44.0°</b>	<b>42.7°</b>	<b>42.7°</b>	<b>42.9°</b>	<b>40.9°</b>	<b>39.9°</b>	<b>42.1°</b>
Beat VMG	<b>2.46</b>	<b>2.96</b>	<b>3.31</b>	<b>3.63</b>	<b>3.92</b>	<b>4.07</b>	<b>4.01</b>
52°	<b>3.78</b>	<b>4.48</b>	<b>5.04</b>	<b>5.43</b>	<b>5.67</b>	<b>5.81</b>	<b>5.86</b>
60°	<b>4.01</b>	<b>4.73</b>	<b>5.29</b>	<b>5.61</b>	<b>5.81</b>	<b>5.97</b>	<b>6.08</b>
75°	<b>4.26</b>	<b>5.13</b>	<b>5.64</b>	<b>5.87</b>	<b>5.99</b>	<b>6.15</b>	<b>6.49</b>
90°	<b>4.60</b>	<b>5.46</b>	<b>5.88</b>	<b>6.16</b>	<b>6.40</b>	<b>6.52</b>	<b>6.71</b>
110°	<b>4.65</b>	<b>5.49</b>	<b>5.90</b>	<b>6.23</b>	<b>6.58</b>	<b>6.91</b>	<b>7.36</b>
120°	<b>4.49</b>	<b>5.37</b>	<b>5.83</b>	<b>6.15</b>	<b>6.50</b>	<b>6.84</b>	<b>7.50</b>
135°	<b>4.07</b>	<b>4.96</b>	<b>5.61</b>	<b>5.95</b>	<b>6.26</b>	<b>6.60</b>	<b>7.27</b>
150°	<b>3.51</b>	<b>4.40</b>	<b>5.16</b>	<b>5.67</b>	<b>5.98</b>	<b>6.27</b>	<b>6.90</b>
Run VMG	<b>3.04</b>	<b>3.82</b>	<b>4.50</b>	<b>5.14</b>	<b>5.62</b>	<b>5.93</b>	<b>6.51</b>
Gybe Angles	<b>149.0°</b>	<b>153.0°</b>	<b>155.5°</b>	<b>174.6°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>

**Class Division Length**

**CDL = 5.362**


**Storm Sails Areas**

Heavy Weather Jib	<b>9.22</b>
Storm Jib (JL=5.37)	<b>3.42</b>
Storm Trysail	<b>4.03</b>

**Owner**

<b>BOAT</b>	
Name <b>ATLANTIC PUFFIN</b>	Sail Nr <b>POL 14085</b>
File <b>Puffin 2018 full</b>	Data in <b>meters/kilograms</b>

<b>INCLINING TEST AND FREEBOARDS</b>		
Inclining Test <b>Current Inclining</b>		
Flotation date <b>25/07/2018</b>	SG <b>1.0030</b>	
FFM <b>0.909</b>	FF <b>0.913</b>	SFFP <b>0.510</b>
FAM <b>0.710</b>	FA <b>0.714</b>	SAFP <b>6.270</b>
W1 <b>41.3</b>	PD1 <b>399.0</b>	WD <b>5.700</b>
W2 <b>41.3</b>	PD2 <b>403.0</b>	GSA <b>1.0</b>
W3 <b>41.3</b>	PD3 <b>390.0</b>	RSA <b>1.0</b>
W4 <b>41.3</b>	PD4 <b>396.0</b>	PLM <b>9000.0</b>
LCF from stem on CL / on sheer		<b>3.626 / 3.822</b>
Maximum beam station from stem		<b>4.622</b>
RM Measured		<b>46.7kg·m</b>
RM Default		<b>33.2kg·m</b>
Limit of positive stability / Stab.Index		<b>122.6° / 117.4</b>
Freeboard at mast at 2.147		<b>0.859</b>




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**IMS Measurement Certificate**

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<b>RIG</b>	
Forestay Tension <b>Aft</b>	Spreaders <b>1</b>
Inner Stay <b>None Fitted</b>	Runners <b>0</b>
Carbon Mast <b>No</b>	Jumper Struts <b>None</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>7.620</b>	E <b>3.020</b>
IG <b>8.217</b>	J <b>2.077</b>
ISP <b>8.762</b>	SFJ <b>0.070</b>
BAS <b>1.172</b>	SPL <b>2.220</b>
FSP <b></b>	TPS <b>2.930</b>
MDT1 <b>0.079</b>	MW <b>0.126</b>
MDL1 <b>0.126</b>	GO <b>0.138</b>
MDT2 <b>0.079</b>	BD <b>0.085</b>
MDL2 <b>0.126</b>	MWT <b>35.80</b>
TL	MCG <b>3.322</b>

<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	

<b>CENTERBOARD</b>	
N/A	

<b>SAILS (Maximum Areas)</b>									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.250	0.79	1.32	2.11	2.65	14.70	15.23	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL	33.15		SL · (SFL + 4·SHW) / 6	
Asymmetric	SLU	SLE	SL	SHW	SFL	33.53		AS · (SFL + 4·SHW) / 6	
	8.60	8.60	8.60	4.69	4.37				
	9.06	7.60	8.33	4.73	5.23				

<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>
0.06	0.33	0.61	1.16	1.69	2.18	7.77	8.85	Y		25/07/2018	Dacron	2018
0.05					1.76	6.94	6.26			25/07/2018	Dacron	2018
0.04	0.21	0.39	0.80	1.25	1.75	6.94	5.81	N		27/06/2018	Dacron	

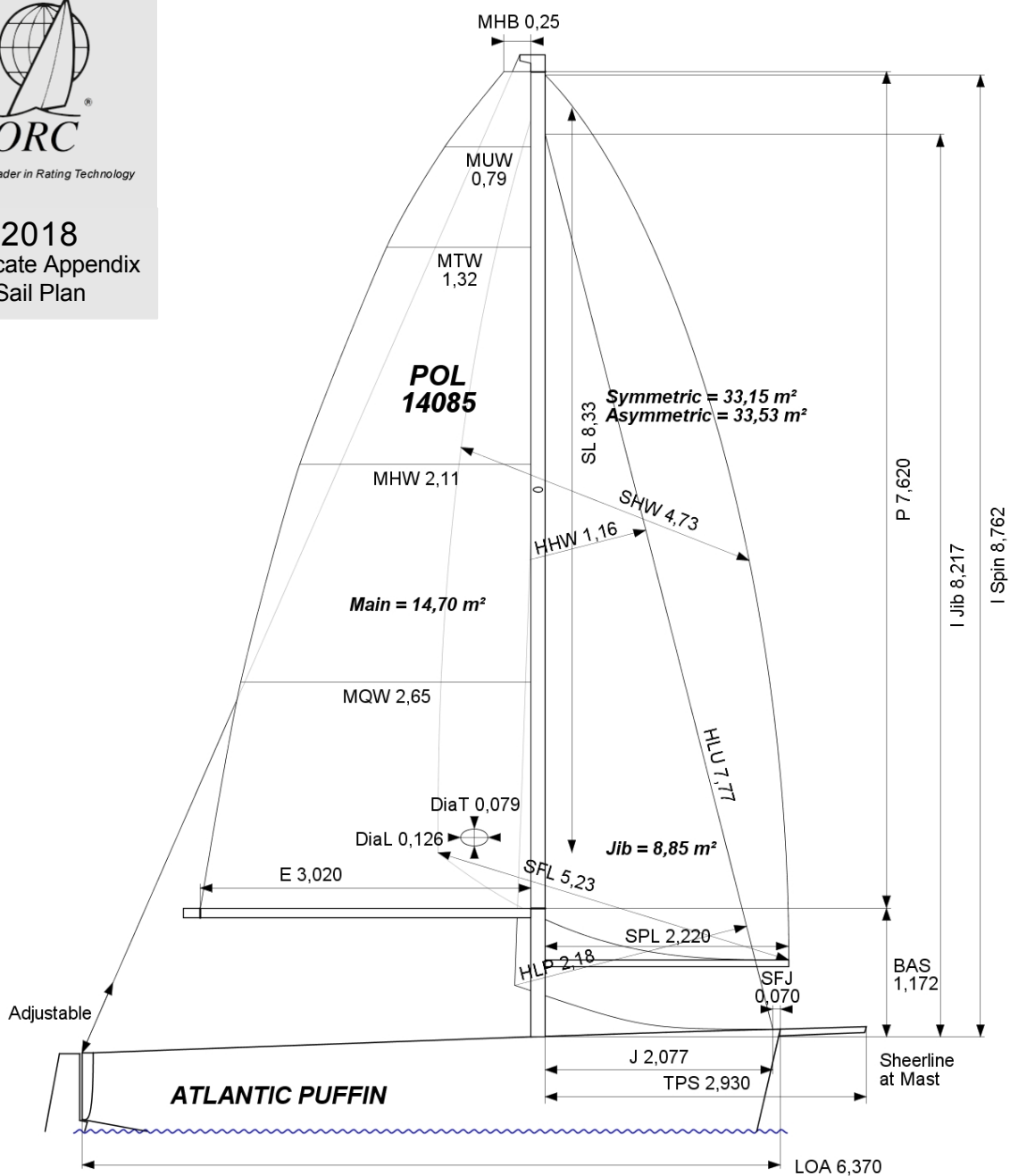
<b>MEASUREMENT INVENTORY</b>				
Measurer <b>P.Adamowicz No 16</b>				
Date <b>25/07/2018</b>				
Comment				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
Tools				
<i>Id</i>	<i>Item</i>	<i>Maker</i>	<i>Model</i>	
1	Engine		Na	
<i>Id</i>	<i>Item</i>	<i>Weight Description</i>		

<b>MEASUREMENT INVENTORY</b>									
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG</i>	<i>Condtn</i>	<i>Description</i>	
1	Tank	Benzin	in engine	1.4	6.36	0.67	4-4	W silniku	
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>					
2	Battery	32.0	1.36	0.00 100Ah					
1	Battery	32.0	1.36	0.00 100 Ah					



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Sail Plan



**SAILS INVENTORY**

**MAINSAIL (2)**

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
GRn	0.250	0.79	1.32	2.11	2.65	14.70	P.Adamowicz	28/06/2018	Sail Service	Dacron	2018
Gs	0.130	0.62	1.14	1.93	2.55	13.69	P.Adamowicz	27/06/2018	Sail Service	Dacron	

**HEADSAILS (3)**

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
F3	0.06	0.33	0.61	1.16	1.69	2.18	7.77	105%	8.85	Y		P.Adamo	25/07/2018	Sail Service	Dacron	2018
F4	0.05					1.76	6.94	85%	6.26			P.Adamo	25/07/2018	Sail Service	Dacron	2018
FHW	0.04	0.21	0.39	0.80	1.25	1.75	6.94	84%	5.81		N	P.Adamo	27/06/2018	Sail Service	Dacron	

**SYMMETRIC SPINNAKERS (1)**

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
SP1	8.60	8.60	8.60	4.69	4.37	33.15	P.Adamowicz	28/06/2018	Sail Service	Nylon	2018

**ASYMMETRIC SPINNAKERS (1)**

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
G1	9.06	7.60	8.33	4.73	5.23	33.53	asym	P.Adamowicz	27/06/2018	Sail Service	Nylon	