

<b>BOAT</b> Name <b>BEWILD</b> Sail Nr <b>GBR-3098L</b>	<b>GPH</b> <b>547.2</b>	<b>HULL</b> Length Overall <b>12.960m</b> Maximum Beam <b>3.910m</b> Displacement <b>7,805kg</b> Draft <b>2.749m</b> IMS Reg. Division <b>Cruiser/Racer</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>SWAN 42</b> Designer <b>SWAN NY/CLUB FRERS</b> Builder <b>NAUTOR</b> Series <b>01/2006</b> Age <b>01/2010</b> Age Allowance <b>0.357%</b> Offset File <b>SWAN42CS.OFF - 19/02/2015 20:04:48</b> Measurement by <b>PATACCA-PAIS-ZIZZI - 27/04/2017</b>		IMSL <b>11.877m</b> VCGD <b>-0.447m</b> Sink <b>24.62kg/mm</b> RL <b>11.033m</b> VCGM <b>-0.348m</b> WS <b>33.28m<sup>2</sup></b> LSMO <b>11.601m</b> Displacement/Length ratio <b>4.9990</b>



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SCORING OPTIONS	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Low	Medium	High	Low	Medium	High
Time On Distance	<b>532.8</b>			<b>599.6</b>		
Time On Time	<b>1.1262</b>			<b>1.1258</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>622.8</b>	<b>486.0</b>	<b>433.4</b>	<b>808.3</b>	<b>600.8</b>	<b>528.1</b>
Time on Time	<b>1.0839</b>	<b>1.3888</b>	<b>1.5575</b>	<b>0.8351</b>	<b>1.1235</b>	<b>1.2781</b>

TIME ALLOWANCES	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>930.9</b>	<b>767.9</b>	<b>675.3</b>	<b>635.7</b>	<b>617.0</b>	<b>606.3</b>	<b>591.4</b>
52°	<b>607.1</b>	<b>507.2</b>	<b>462.7</b>	<b>447.3</b>	<b>440.2</b>	<b>436.1</b>	<b>428.6</b>
60°	<b>570.2</b>	<b>483.1</b>	<b>449.8</b>	<b>434.7</b>	<b>426.9</b>	<b>422.0</b>	<b>414.6</b>
75°	<b>539.8</b>	<b>467.1</b>	<b>439.7</b>	<b>421.2</b>	<b>405.9</b>	<b>396.7</b>	<b>388.0</b>
90°	<b>540.7</b>	<b>460.5</b>	<b>438.4</b>	<b>419.0</b>	<b>399.3</b>	<b>380.7</b>	<b>359.2</b>
110°	<b>541.1</b>	<b>456.2</b>	<b>424.8</b>	<b>408.6</b>	<b>394.3</b>	<b>380.2</b>	<b>353.2</b>
120°	<b>556.4</b>	<b>463.3</b>	<b>429.2</b>	<b>401.0</b>	<b>381.1</b>	<b>366.1</b>	<b>337.1</b>
135°	<b>621.8</b>	<b>500.4</b>	<b>448.3</b>	<b>421.3</b>	<b>393.8</b>	<b>365.2</b>	<b>310.4</b>
150°	<b>738.8</b>	<b>589.9</b>	<b>499.5</b>	<b>451.6</b>	<b>430.7</b>	<b>410.5</b>	<b>358.8</b>
Run VMG	<b>853.1</b>	<b>681.2</b>	<b>576.8</b>	<b>520.8</b>	<b>495.2</b>	<b>463.1</b>	<b>414.3</b>

**Certificate**

Number **3098L1**  
ORC Ref **ITA00022289**  
Issued On **04/05/2017**  
VPP Ver. **2017 1.00**  
Valid until **31/12/2017**

**Crew Weight**

Declared **890kg**  
Default\* **851kg**  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Double H.GPH	<b>551.3</b>	<b>1.0883</b>
Double H.OSN	<b>538.0</b>	<b>1.1152</b>
Non Spin GPH	<b>584.7</b>	<b>1.0262</b>
Non Spin OSN	<b>570.3</b>	<b>1.0521</b>

Selected Courses	892.0	724.5	626.0	578.3	556.1	534.7	502.9
Windward / Leeward	<b>892.0</b>	<b>724.5</b>	<b>626.0</b>	<b>578.3</b>	<b>556.1</b>	<b>534.7</b>	<b>502.9</b>
Circular Random	<b>749.8</b>	<b>606.9</b>	<b>531.1</b>	<b>487.5</b>	<b>460.3</b>	<b>441.3</b>	<b>413.3</b>
Ocean for PCS	<b>919.4</b>	<b>712.0</b>	<b>595.7</b>	<b>524.9</b>	<b>478.6</b>	<b>445.4</b>	<b>396.3</b>
Non Spinnaker	<b>818.6</b>	<b>655.6</b>	<b>566.7</b>	<b>513.7</b>	<b>480.1</b>	<b>457.2</b>	<b>426.2</b>

**Sails Limitations**

Headsails	Spinnakers
<b>6</b>	<b>4</b>

Velocity Prediction in Knots for True Wind Speeds	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	<b>43.1°</b>	<b>42.0°</b>	<b>40.9°</b>	<b>38.9°</b>	<b>38.2°</b>	<b>37.4°</b>	<b>36.8°</b>
Beat VMG	<b>3.87</b>	<b>4.69</b>	<b>5.33</b>	<b>5.66</b>	<b>5.83</b>	<b>5.94</b>	<b>6.09</b>
52°	<b>5.93</b>	<b>7.10</b>	<b>7.78</b>	<b>8.05</b>	<b>8.18</b>	<b>8.25</b>	<b>8.40</b>
60°	<b>6.31</b>	<b>7.45</b>	<b>8.00</b>	<b>8.28</b>	<b>8.43</b>	<b>8.53</b>	<b>8.68</b>
75°	<b>6.67</b>	<b>7.71</b>	<b>8.19</b>	<b>8.55</b>	<b>8.87</b>	<b>9.07</b>	<b>9.28</b>
90°	<b>6.66</b>	<b>7.82</b>	<b>8.21</b>	<b>8.59</b>	<b>9.02</b>	<b>9.46</b>	<b>10.02</b>
110°	<b>6.65</b>	<b>7.89</b>	<b>8.48</b>	<b>8.81</b>	<b>9.13</b>	<b>9.47</b>	<b>10.19</b>
120°	<b>6.47</b>	<b>7.77</b>	<b>8.39</b>	<b>8.98</b>	<b>9.45</b>	<b>9.83</b>	<b>10.68</b>
135°	<b>5.79</b>	<b>7.19</b>	<b>8.03</b>	<b>8.54</b>	<b>9.14</b>	<b>9.86</b>	<b>11.60</b>
150°	<b>4.87</b>	<b>6.10</b>	<b>7.21</b>	<b>7.97</b>	<b>8.36</b>	<b>8.77</b>	<b>10.03</b>
Run VMG	<b>4.22</b>	<b>5.29</b>	<b>6.24</b>	<b>6.91</b>	<b>7.27</b>	<b>7.77</b>	<b>8.69</b>
Gybe Angles	<b>143.1°</b>	<b>145.7°</b>	<b>148.7°</b>	<b>151.5°</b>	<b>152.3°</b>	<b>176.0°</b>	<b>143.2°</b>

**Class Division Length**

**CDL = 11.456**

**Storm Sails Areas**

Heavy Weather Jib **44.72**  
Storm Jib (JL=11.83) **16.56**  
Storm Trysail **17.37**

**Owner**

<b>BOAT</b>	
Name <b>BEWILD</b>	Sail Nr <b>GBR-3098L</b>
File <b>GBR3098L</b>	Data in <b>meters/kilograms</b>

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Current Inclining</b>			
Flotation date <b>07/04/2017</b>		SG <b>1.0260</b>	
FFM <b>1.453</b>	FF <b>1.455</b>	SFFP <b>0.474</b>	
FAM <b>1.109</b>	FA <b>1.109</b>	SAFP <b>12.543</b>	
W1 <b>123.0</b>	PD1 <b>507.0</b>	WD <b>11.740</b>	
W2 <b>123.0</b>	PD2 <b>506.8</b>	GSA <b>1.0</b>	
W3 <b>123.0</b>	PD3 <b>506.5</b>	RSA <b>1.0</b>	
W4 <b>123.0</b>	PD4 <b>506.0</b>	PLM <b>9000.0</b>	
LCF from stem on CL / on sheer		<b>7.181 / 7.432</b>	
Maximum beam station from stem		<b>8.347</b>	
RM Measured		<b>224.5kg·m</b>	
RM Default		<b>214.5kg·m</b>	
Limit of positive stability / Stab.Index		<b>135.0° / 138.0</b>	
Freeboard at mast at 5.340		<b>1.231</b>	

<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>Yes</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>17.200</b>	E <b>5.770</b>	MDT1 <b>0.135</b>	MW <b>0.265</b>
IG <b>18.000</b>	J <b>5.000</b>	MDL1 <b>0.265</b>	GO <b>0.320</b>
ISP <b>19.455</b>	SFJ <b>0.340</b>	MDT2 <b>0.106</b>	BD <b>0.206</b>
BAS <b>1.930</b>	SPL <b>0.000</b>	MDL2 <b>0.197</b>	MWT <b>231.80</b>
FSP <b>0.074</b>	TPS <b>7.280</b>	TL <b>1.000</b>	MCG <b>6.089</b>



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**IMS Measurement Certificate**

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

<b>PROPELLER</b>			
Installation <b>Strut</b>	PRD <b>0.440</b>		
Type <b>Folding 2 blades</b>	PBW <b>0.110</b>		
Twin Screw <b>No</b>	PIPA <b>0.0040</b>		
ST1 <b>0.065</b>	ST3 <b>0.180</b>	ST5 <b>0.280</b>	
ST2 <b>0.180</b>	ST4 <b>0.110</b>	EDL <b>1.630</b>	

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<b>COMMENTS</b>	

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

<b>CENTERBOARD</b>	
N/A	



Invalid for Racing

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<b>SAILS (Maximum Areas)</b>									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.180	1.24	2.22	3.77	4.88	59.62	60.79	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric									
Not Available									
Asymmetric	SLU	SLE	SL	SHW	SFL	Area	AS · (SFL + 4·SHW) / 6		
	22.05	17.38	19.71	11.26	11.10	184.47			

<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
0.10	0.75	1.44	2.65	3.85	5.27	17.94	47.58	N	N	27/04/2017	Unknow	MEDIUM
0.10	0.77	1.44	2.69	3.93	5.26	17.75	47.57	Y	N	27/04/2017	Carbon	

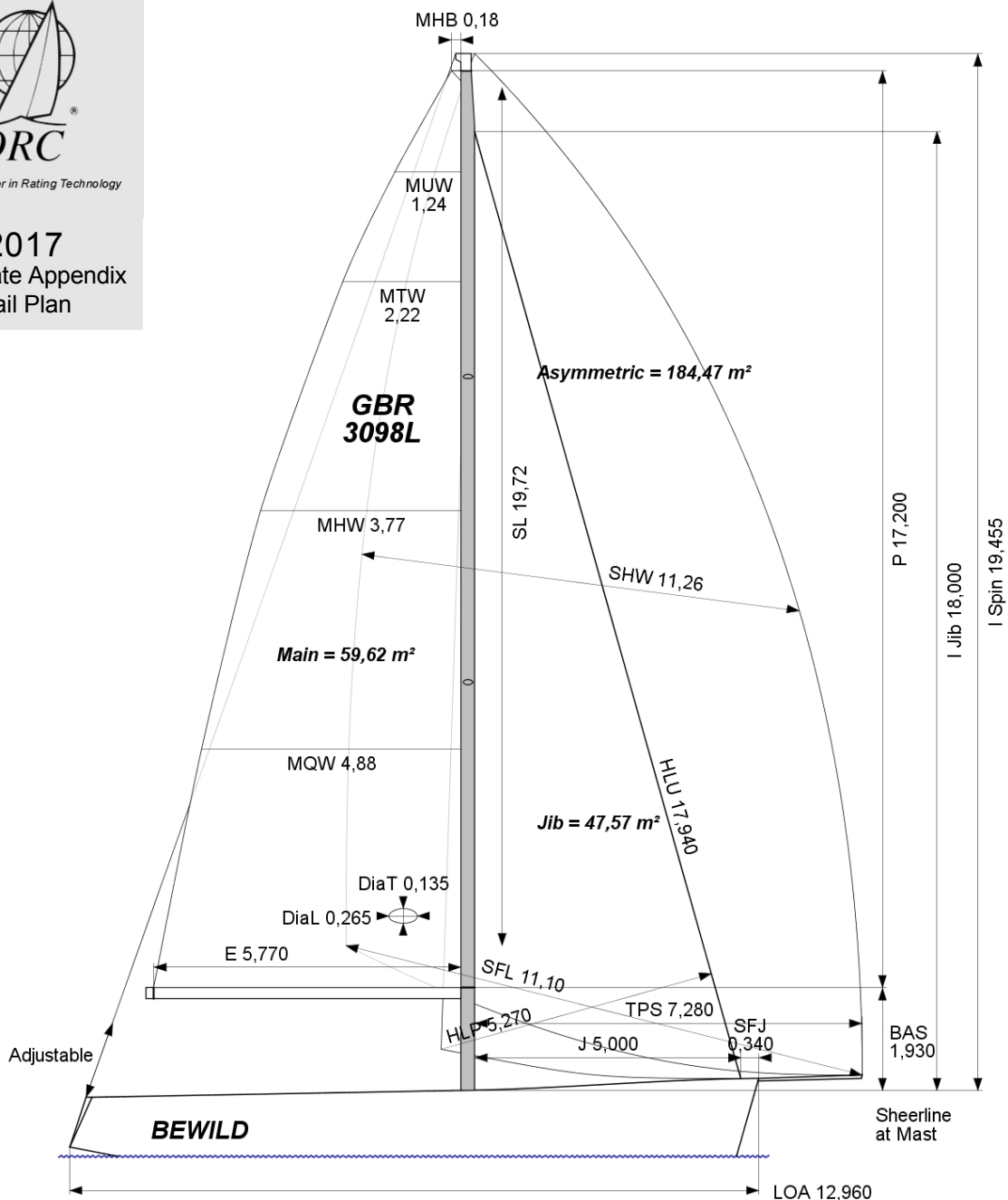
<b>MEASUREMENT INVENTORY</b>				
Measurer <b>ZIZZI 162</b>				
Date <b>07/04/2017</b>				
Comment <b>Condizioni ottime</b>				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
<i>Id</i>	<i>Item</i>	<i>Maker</i>	<i>Model</i>	
A	Engine	VOLVO	40 HP	
<i>Id</i>	<i>Item</i>	<i>Weight 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 Description</i>
A	Tank	WATER	PVC	320.0	6.40	0.00	0-0 VUOTO
B	Tank	FUEL	PVC	140.0	5.50	0.00	20-0 LT
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>			
A	Battery	30.0	9.05	0.00	70 Ah MOTORE DX		
B	Battery	80.0	6.10	0.00	2 X 150 Ah SERVIZI		
A	Misc	20.0	9.60	0.00	BOILER SX		



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Certificate Appendix  
Sail Plan



**SAILS INVENTORY**

**MAINSAIL (1)**

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
C	0.180	1.24	2.22	3.77	4.88	59.62	ZIZZI	27/04/2017	ONE	Carbon	

**HEADSAILS (2)**

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
A	0.10	0.75	1.44	2.65	3.85	5.27	17.94	105%	47.58	N	N	ZIZZI	27/04/2017	NORTH	Unknow	MEDIUM
F	0.10	0.77	1.44	2.69	3.93	5.26	17.75	105%	47.57	Y	N	ZIZZI	27/04/2017	ONE	Carbon	

**SYMMETRIC SPINNAKERS (0)**

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
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**ASYMMETRIC SPINNAKERS (2)**

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
A	22.05	17.38	19.71	11.26	11.10	184.47	asym	ZIZZI	19/07/2016	ONE	Nylon	
G	21.62	17.82	19.72	10.99	11.20	181.29	asym	ZIZZI	27/04/2017	NORTH	Nylon	