

<b>BOAT</b> Name <b>Fly</b> Sail Nr <b>ROU-15918</b>	<b>GPH</b> <b>652.0</b>	<b>HULL</b> Length Overall <b>9.985m</b> Maximum Beam <b>3.364m</b> Displacement <b>4,751kg</b> Draft <b>1.692m</b> IMS Reg. Division <b>Cruiser/Racer</b> Dynamic Allowance <b>0.243%</b> Fwd Accommodation <b>No</b> Hull Construction <b>Solid</b> Carbon Rudder <b>No</b> Crew Arm Extension
<b>GENERAL</b> Class <b>First 34.7 PTE</b> Designer <b>Farr</b> Builder <b>Beneteau</b> Series <b>07/2007</b> Age <b>07/2007</b> Age Allowance <b>0.390%</b> Offset File <b>FRS347KB.OFF - 28/04/2010 16:43:16</b> Measurement by - <b>19/10/2016</b>		IMSL <b>9.150m</b> VCGD <b>-0.065m</b> Sink <b>16.59kg/mm</b> RL <b>7.602m</b> VCGM <b>0.024m</b> WS <b>21.88m<sup>2</sup></b> LSM0 <b>9.021m</b> Displacement/Length ratio <b>6.4717</b>



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	<b>634.1</b>			<b>709.2</b>		
Time on Time	<b>0.9463</b>			<b>0.9517</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>749.3</b>	<b>576.9</b>	<b>513.8</b>	<b>972.3</b>	<b>713.8</b>	<b>617.9</b>
Time on Time	<b>0.9008</b>	<b>1.1701</b>	<b>1.3137</b>	<b>0.6942</b>	<b>0.9457</b>	<b>1.0924</b>

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1150.1</b>	<b>952.6</b>	<b>837.4</b>	<b>765.8</b>	<b>739.8</b>	<b>731.6</b>	<b>731.0</b>
52°	<b>741.4</b>	<b>623.0</b>	<b>559.0</b>	<b>529.1</b>	<b>515.8</b>	<b>511.2</b>	<b>510.2</b>
60°	<b>696.8</b>	<b>588.0</b>	<b>538.7</b>	<b>515.5</b>	<b>502.7</b>	<b>496.2</b>	<b>493.5</b>
75°	<b>666.6</b>	<b>565.3</b>	<b>524.6</b>	<b>504.4</b>	<b>489.3</b>	<b>477.3</b>	<b>464.9</b>
90°	<b>648.6</b>	<b>544.7</b>	<b>505.8</b>	<b>486.2</b>	<b>476.4</b>	<b>467.8</b>	<b>441.8</b>
110°	<b>642.7</b>	<b>536.6</b>	<b>499.2</b>	<b>474.3</b>	<b>450.8</b>	<b>432.0</b>	<b>411.7</b>
120°	<b>661.6</b>	<b>548.7</b>	<b>504.8</b>	<b>478.8</b>	<b>453.2</b>	<b>429.3</b>	<b>390.8</b>
135°	<b>731.5</b>	<b>596.3</b>	<b>526.8</b>	<b>496.2</b>	<b>471.8</b>	<b>446.9</b>	<b>401.0</b>
150°	<b>859.6</b>	<b>687.7</b>	<b>586.0</b>	<b>530.4</b>	<b>500.6</b>	<b>478.3</b>	<b>434.2</b>
Run VMG	<b>992.6</b>	<b>794.1</b>	<b>676.6</b>	<b>602.1</b>	<b>545.2</b>	<b>510.1</b>	<b>466.0</b>

**Certificate**  
Number **064/19**  
ORC Ref **ROU10026042**  
Issued On **26/07/2019**  
VPP Ver. **2019 1.01**  
Valid until **31/12/2019**

**Crew Weight**  
Default **594kg**  
Maximum **725kg**  
Minimum\* **544kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**  
ToD ToT  
Double H.GPH **663.5 0.9044**  
Double H.OSN **647.2 0.9270**  
Non Spin GPH **693.3 0.8654**  
Non Spin OSN **670.5 0.8949**

Selected Courses							
Windward / Leeward	<b>1071.3</b>	<b>873.3</b>	<b>757.0</b>	<b>684.0</b>	<b>642.5</b>	<b>620.8</b>	<b>598.5</b>
Circular Random	<b>899.4</b>	<b>725.8</b>	<b>632.5</b>	<b>578.3</b>	<b>545.2</b>	<b>523.9</b>	<b>497.6</b>
Coastal / Long Distance	<b>1063.5</b>	<b>817.1</b>	<b>680.0</b>	<b>597.4</b>	<b>555.0</b>	<b>524.3</b>	<b>472.6</b>
Non Spinnaker	<b>975.1</b>	<b>778.8</b>	<b>671.3</b>	<b>607.8</b>	<b>568.6</b>	<b>543.7</b>	<b>515.3</b>

**Sails Limitations**  
Headsails **5** | Spinnakers **3**

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>44.4°</b>	<b>42.6°</b>	<b>42.3°</b>	<b>40.6°</b>	<b>39.9°</b>	<b>39.6°</b>	<b>40.4°</b>
Beat VMG	<b>3.13</b>	<b>3.78</b>	<b>4.30</b>	<b>4.70</b>	<b>4.87</b>	<b>4.92</b>	<b>4.92</b>
52°	<b>4.86</b>	<b>5.78</b>	<b>6.44</b>	<b>6.80</b>	<b>6.98</b>	<b>7.04</b>	<b>7.06</b>
60°	<b>5.17</b>	<b>6.12</b>	<b>6.68</b>	<b>6.98</b>	<b>7.16</b>	<b>7.25</b>	<b>7.29</b>
75°	<b>5.40</b>	<b>6.37</b>	<b>6.86</b>	<b>7.14</b>	<b>7.36</b>	<b>7.54</b>	<b>7.74</b>
90°	<b>5.55</b>	<b>6.61</b>	<b>7.12</b>	<b>7.40</b>	<b>7.56</b>	<b>7.70</b>	<b>8.15</b>
110°	<b>5.60</b>	<b>6.71</b>	<b>7.21</b>	<b>7.59</b>	<b>7.99</b>	<b>8.33</b>	<b>8.74</b>
120°	<b>5.44</b>	<b>6.56</b>	<b>7.13</b>	<b>7.52</b>	<b>7.94</b>	<b>8.39</b>	<b>9.21</b>
135°	<b>4.92</b>	<b>6.04</b>	<b>6.83</b>	<b>7.26</b>	<b>7.63</b>	<b>8.06</b>	<b>8.98</b>
150°	<b>4.19</b>	<b>5.23</b>	<b>6.14</b>	<b>6.79</b>	<b>7.19</b>	<b>7.53</b>	<b>8.29</b>
Run VMG	<b>3.63</b>	<b>4.53</b>	<b>5.32</b>	<b>5.98</b>	<b>6.60</b>	<b>7.06</b>	<b>7.72</b>
Gybe Angles	<b>145.2°</b>	<b>148.3°</b>	<b>148.3°</b>	<b>158.1°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>

**Class Division Length**  
CDL = **8.377**

**Storm Sails Areas**  
Heavy Weather Jib **23.94**  
Storm Jib (JL=8.66) **8.87**  
Storm Trysail **9.77**

**Owner**

<b>BOAT</b>	
Name <b>Fly</b> File <b>ROU15918</b>	Sail Nr <b>ROU-15918</b> Data in <b>meters/kilograms</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>12.645</b>	E <b>4.415</b> MDT1 <b>0.110</b> MW <b>0.164</b>
IG <b>13.186</b>	J <b>3.720</b> MDL1 <b>0.164</b> GO <b>0.200</b>
ISP <b>13.757</b>	SFJ MDT2 <b>0.100</b> BD <b>0.160</b>
BAS <b>1.547</b>	SPL <b>3.760</b> MDL2 <b>0.127</b> MWT <b>89.30</b>
FSP <b>0.070</b>	TPS <b>5.250</b> TL <b>1.180</b> MCG <b>5.800</b>

<b>INCLINING TEST AND FREEBOARDS</b>		
Inclining Test <b>Current Inclining</b>		
Flotation date <b>19/10/2016</b>		SG <b>1.0250</b>
FFM <b>1.290</b>	FF <b>1.286</b>	SFFP <b>0.172</b>
FAM <b>1.021</b>	FA <b>1.027</b>	SAFP <b>9.500</b>
W1 <b>50.8</b>	PD1 <b>533.8</b>	WD <b>12.680</b>
W2 <b>50.8</b>	PD2 <b>539.5</b>	GSA <b>1.0</b>
W3 <b>50.8</b>	PD3 <b>536.2</b>	RSA <b>1.0</b>
W4 <b>50.8</b>	PD4 <b>526.6</b>	PLM <b>9000.0</b>
LCF from stem on CL / on sheer		<b>5.401 / 5.630</b>
Maximum beam station from stem		<b>6.540</b>
RM Measured		<b>95.0kg-m</b>
RM Default		<b>97.8kg-m</b>
Limit of positive stability / Stab.Index		<b>121.7° / 121.9</b>
Freeboard at mast at 3.720		<b>1.159</b>



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

<b>PROPELLER</b>		
Installation <b>Strut</b>	PRD <b>0.420</b>	
Type <b>Folding 2 blades</b>	PBW <b>0.110</b>	
Twin Screw <b>No</b>	PIPA <b>0.0034</b>	
ST1 <b>0.047</b>	ST3 <b>0.180</b>	ST5 <b>0.280</b>
ST2 <b>0.180</b>	ST4 <b>0.112</b>	EDL <b>2.506</b>

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<b>COMMENTS</b>	

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

<b>CENTERBOARD</b>	
N/A	



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<b>SAILS (Maximum Areas)</b>									
<b>Mainsail</b>	<b>MHB</b>	<b>MUW</b>	<b>MTW</b>	<b>MHW</b>	<b>MQW</b>	<b>Area</b>	<b>Area (r)</b>	<b>Formula</b>	
	0.170	0.83	1.52	2.63	3.59	31.69	32.15	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
<b>Symmetric</b>	<b>SLU</b>	<b>SLE</b>	<b>SL</b>	<b>SHW</b>	<b>SFL</b>				
	13.47	13.47	13.47	6.79	6.34	75.21		SL · (SFL + 4·SHW) / 6	
<b>Asymmetric</b>	<b>SLU</b>	<b>SLE</b>	<b>SL</b>	<b>SHW</b>	<b>SFL</b>				
	14.90	12.98	13.94	6.20	7.45	74.93 75.82		AS · (SFL + 4·SHW) / 6	

<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>
0.13	0.57	1.05	1.93	2.79	3.74	12.80	24.56	Y		10/05/2019	Carbon	
0.10	0.48	0.94	1.84	2.79	3.77	12.76	23.90	Y		01/06/2018	Kevlar	
0.11	0.44	0.85	1.76	2.77	3.80	12.39	22.75			01/07/2017	Dacron	

<b>MEASUREMENT INVENTORY</b>				
Measurer				
Date				
Comment				
<b>Id</b>	<b>Item</b>	<b>Weight</b>	<b>Distance</b>	<b>VCG Description</b>
SaS	Tools	31.5	7.70	0.00 Sailor-Services
<b>Id</b>	<b>Item</b>	<b>Weight Description</b>		

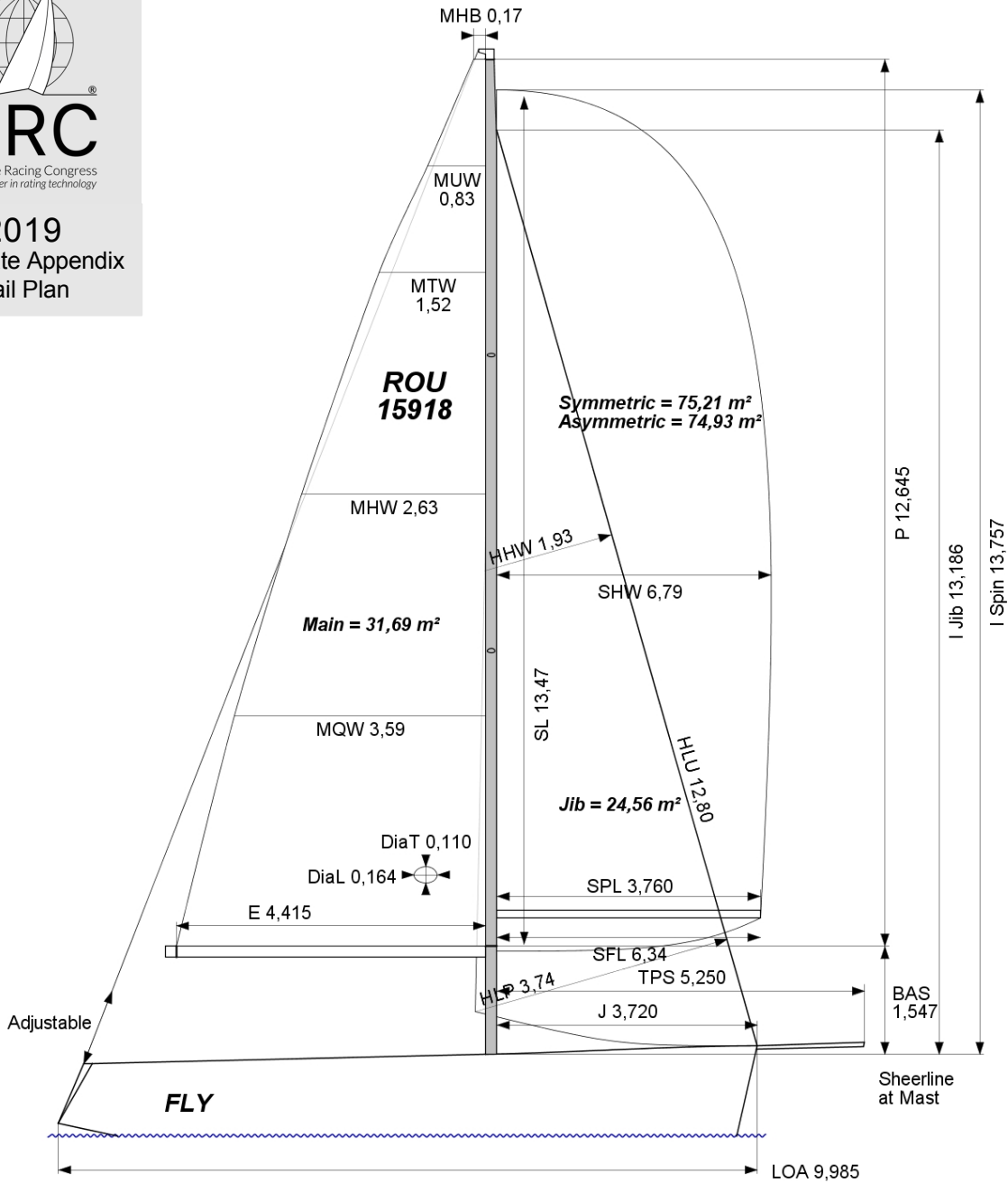
<b>MEASUREMENT INVENTORY</b>				
<b>Id</b>	<b>Item</b>	<b>Weight</b>	<b>Distance</b>	<b>VCG Description</b>



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Sail Plan



**SAILS INVENTORY**

MAINSAIL (1)																	
Id	m	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
		0.17	0.83	1.52	2.63	3.59	31.70		10/05/2019	quantum	Carbon						
HEADSAILS (3)																	
Id		HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
j		0.13	0.57	1.05	1.93	2.79	3.74	12.80	101%	24.56	Y			10/05/2019	quantum	Carbon	
j3nou		0.10	0.48	0.94	1.84	2.79	3.77	12.76	101%	23.90	Y			01/06/2018	quantum	Kevlar	
j3		0.11	0.44	0.85	1.76	2.77	3.80	12.39	102%	22.75				01/07/2017	NS	Dacron	
SYMMETRIC SPINNAKERS (2)																	
Id		SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
s2		13.47	13.47	13.47	6.79	6.34	75.21		01/07/2017	NS	Nylon						
s1.5		13.48	13.48	13.48	6.69	6.52	74.77		01/07/2017	NS	Nylon						
ASYMMETRIC SPINNAKERS (1)																	
Id		SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
a1		14.90	12.98	13.94	6.20	7.45	74.93	asym		01/06/2018	quantum	Nylon	red				