

<b>BOAT</b> Name <b>Fly</b> Sail Nr <b>ROU-15918</b>	<b>GPH</b> <b>644.9</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>0.188%</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>7.880m</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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<b>SCORING OPTIONS</b>						
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time on Distance	<b>627.8</b>			<b>701.7</b>		
Time on Time	<b>0.9557</b>			<b>0.9619</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>737.1</b>	<b>571.5</b>	<b>512.5</b>	<b>953.9</b>	<b>704.8</b>	<b>616.5</b>
Time on Time	<b>0.9158</b>	<b>1.1811</b>	<b>1.3172</b>	<b>0.7076</b>	<b>0.9577</b>	<b>1.0949</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1107.6</b>	<b>921.6</b>	<b>810.7</b>	<b>752.2</b>	<b>733.3</b>	<b>726.8</b>	<b>733.3</b>
52°	<b>717.6</b>	<b>604.6</b>	<b>547.1</b>	<b>523.0</b>	<b>513.3</b>	<b>509.6</b>	<b>508.9</b>
60°	<b>673.9</b>	<b>572.7</b>	<b>530.2</b>	<b>510.3</b>	<b>499.5</b>	<b>494.9</b>	<b>492.8</b>
75°	<b>643.7</b>	<b>552.2</b>	<b>517.9</b>	<b>499.2</b>	<b>484.9</b>	<b>473.8</b>	<b>464.4</b>
90°	<b>648.6</b>	<b>544.7</b>	<b>505.7</b>	<b>486.0</b>	<b>476.1</b>	<b>463.5</b>	<b>438.6</b>
110°	<b>642.9</b>	<b>536.7</b>	<b>499.2</b>	<b>474.3</b>	<b>450.8</b>	<b>431.8</b>	<b>411.0</b>
120°	<b>661.7</b>	<b>548.8</b>	<b>504.8</b>	<b>478.8</b>	<b>453.3</b>	<b>429.3</b>	<b>391.2</b>
135°	<b>731.5</b>	<b>596.4</b>	<b>526.8</b>	<b>496.1</b>	<b>471.7</b>	<b>446.8</b>	<b>401.0</b>
150°	<b>859.6</b>	<b>687.6</b>	<b>585.9</b>	<b>530.3</b>	<b>500.5</b>	<b>478.2</b>	<b>434.0</b>
Run VMG	<b>992.5</b>	<b>794.0</b>	<b>676.5</b>	<b>601.9</b>	<b>545.0</b>	<b>509.9</b>	<b>465.9</b>

**Certificate**  
Number **043/19**  
ORC Ref **ROU10025721**  
Issued On **13/06/2019**  
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	<b>656.7</b>	<b>0.9137</b>
Double H.OSN	<b>641.6</b>	<b>0.9351</b>
Non Spin GPH	<b>679.4</b>	<b>0.8831</b>
Non Spin OSN	<b>659.0</b>	<b>0.9105</b>

<b>Selected Courses</b>							
Windward / Leeward	<b>1050.1</b>	<b>857.8</b>	<b>743.6</b>	<b>677.1</b>	<b>639.2</b>	<b>618.3</b>	<b>599.6</b>
Circular Random	<b>885.6</b>	<b>716.2</b>	<b>625.7</b>	<b>573.6</b>	<b>542.1</b>	<b>522.0</b>	<b>497.8</b>
Coastal / Long Distance	<b>1044.3</b>	<b>803.9</b>	<b>669.8</b>	<b>592.5</b>	<b>552.8</b>	<b>522.4</b>	<b>472.0</b>
Non Spinnaker	<b>948.3</b>	<b>760.2</b>	<b>658.2</b>	<b>598.6</b>	<b>562.3</b>	<b>539.4</b>	<b>512.4</b>

**Sails Limitations**

Headsails	Spinnakers
<b>5</b>	<b>3</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>43.3°</b>	<b>42.2°</b>	<b>42.1°</b>	<b>40.3°</b>	<b>39.6°</b>	<b>39.9°</b>	<b>39.9°</b>
Beat VMG	<b>3.25</b>	<b>3.91</b>	<b>4.44</b>	<b>4.79</b>	<b>4.91</b>	<b>4.95</b>	<b>4.91</b>
52°	<b>5.02</b>	<b>5.95</b>	<b>6.58</b>	<b>6.88</b>	<b>7.01</b>	<b>7.06</b>	<b>7.07</b>
60°	<b>5.34</b>	<b>6.29</b>	<b>6.79</b>	<b>7.05</b>	<b>7.21</b>	<b>7.27</b>	<b>7.30</b>
75°	<b>5.59</b>	<b>6.52</b>	<b>6.95</b>	<b>7.21</b>	<b>7.42</b>	<b>7.60</b>	<b>7.75</b>
90°	<b>5.55</b>	<b>6.61</b>	<b>7.12</b>	<b>7.41</b>	<b>7.56</b>	<b>7.77</b>	<b>8.21</b>
110°	<b>5.60</b>	<b>6.71</b>	<b>7.21</b>	<b>7.59</b>	<b>7.99</b>	<b>8.34</b>	<b>8.76</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>9.20</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>5.24</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>6.61</b>	<b>7.06</b>	<b>7.73</b>
Gybe Angles	<b>145.3°</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 = **8.516**

**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>
IG <b>13.186</b>	J <b>3.720</b>
ISP <b>13.757</b>	SFJ
BAS <b>1.547</b>	SPL <b>3.760</b>
FSP <b>0.070</b>	TPS <b>5.250</b>
MDT1 <b>0.110</b>	MW <b>0.164</b>
MDL1 <b>0.164</b>	GO <b>0.200</b>
MDT2 <b>0.100</b>	BD <b>0.160</b>
MDL2 <b>0.127</b>	MWT <b>89.30</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>99.1kg·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>
0.08	0.61	1.16	2.34	3.60	4.99	12.77	30.86			01/07/2017	Carbon	
0.05	0.61	1.19	2.36	3.57	4.79	12.51	29.84			01/07/2017	Carbon	
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>		

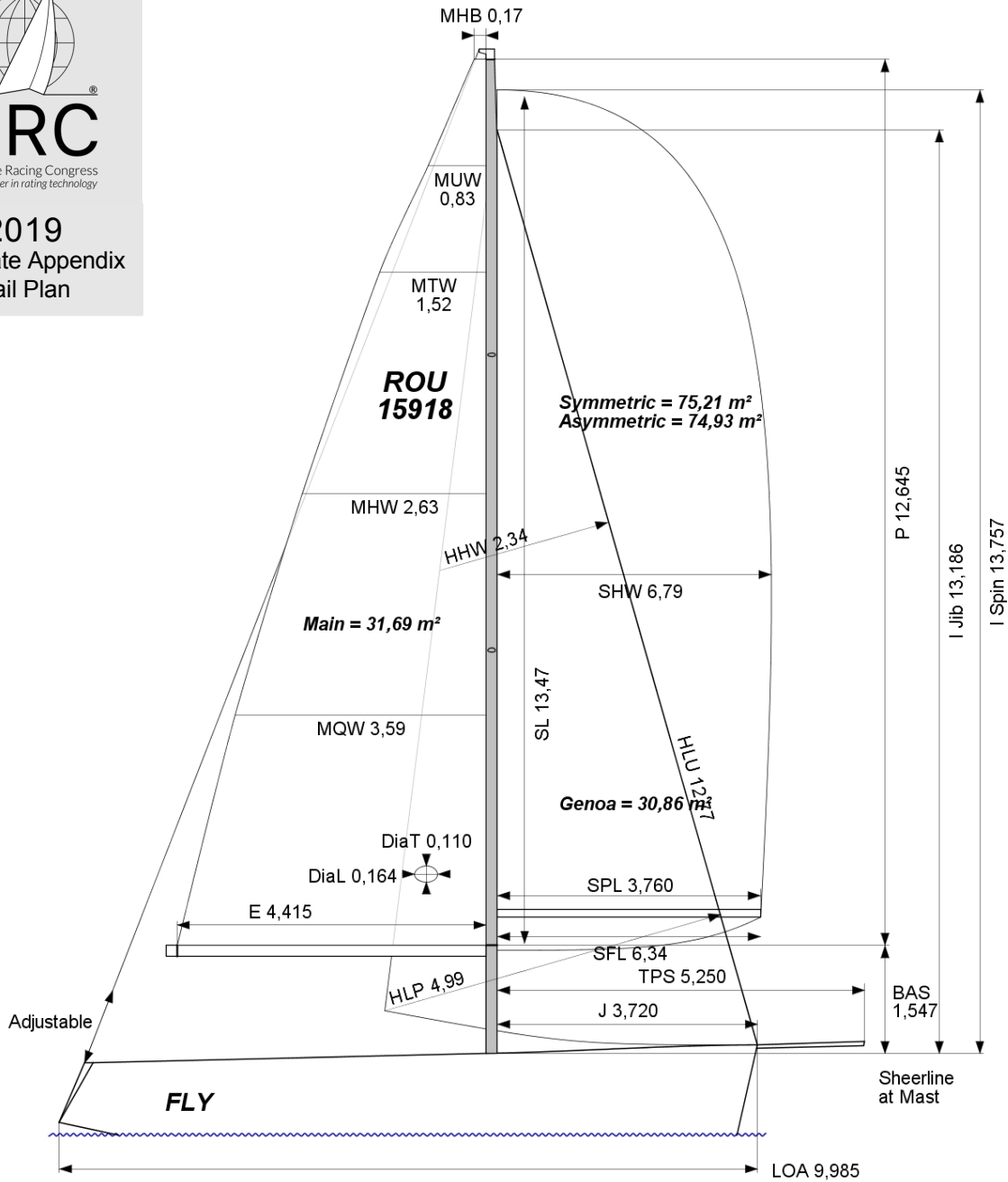
<b>MEASUREMENT INVENTORY</b>				
<b>Id</b>	<b>Item</b>	<b>Weight</b>	<b>Distance</b>	<b>VCG Description</b>



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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 (5)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
j2	0.08	0.61	1.16	2.34	3.60	4.99	12.77	134%	30.86				01/07/2017	One	Carbon	
j1	0.05	0.61	1.19	2.36	3.57	4.79	12.51	129%	29.84				01/07/2017	One	Carbon	
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				