

| |
|---|
| BOAT |
| Name Fly Sail Nr ROU 15918 |

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|--------------|
| GPH |
| 652.6 |

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|--|
| HULL |
| Length Overall 9.985m |
| Maximum Beam 3.364m |
| Displacement 4,751kg |
| Draft 1.692m |
| IMS Reg. Division Cruiser/Racer |
| Dynamic Allowance 0.161% |
| Fwd Accommodation No |
| Hull Construction Solid |
| Carbon Rudder No |
| Crew Arm Extension |
| IMSL 9.150m VCGD -0.065m Sink 16.59kg/mm |
| RL 7.562m VCGM 0.024m WS 21.88m² |
| LSMO 9.021m Displacement/Length ratio 6.4717 |



World Leader in Rating Technology

2017
ORC International
Certificate

| |
|---|
| GENERAL |
| Class First 34.7 PTE |
| Designer Farr |
| Builder Beneteau |
| Series 07/2007 |
| Age 07/2007 |
| Age Allowance 0.325% |
| Offset File FRS347KB.OFF - 28/04/2010 16:43:16 |
| Measurement by FIORA-PATACCA - 19/10/2016 |

Rating Office

Offshore
Racing
Congress



World Leader In Rating Technology

| | | | | | | |
|------------------------|--------------------------------|---------------|---------------|---------------------------|---------------|---------------|
| SCORING OPTIONS | COASTAL / LONG DISTANCE | | | WINDWARD / LEEWARD | | |
| Time On Distance | 634.8 | | | 710.0 | | |
| Time On Time | 0.9452 | | | 0.9507 | | |
| Triple Number | Low | Medium | High | Low | Medium | High |
| Time on Distance | 749.6 | 577.8 | 513.7 | 972.5 | 715.6 | 618.6 |
| Time on Time | 0.9005 | 1.1682 | 1.3141 | 0.6941 | 0.9433 | 1.0912 |

| | | | | | | | |
|------------------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 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 | 1120.0 | 933.5 | 830.6 | 767.9 | 742.5 | 730.9 | 731.0 |
| 52° | 725.9 | 610.2 | 549.9 | 522.8 | 512.1 | 507.3 | 504.9 |
| 60° | 680.9 | 575.0 | 529.4 | 508.2 | 496.4 | 491.1 | 487.8 |
| 75° | 643.8 | 550.6 | 514.8 | 495.5 | 479.5 | 466.7 | 456.2 |
| 90° | 643.4 | 549.0 | 509.0 | 489.2 | 475.3 | 458.2 | 430.6 |
| 110° | 663.6 | 548.8 | 505.3 | 479.8 | 454.9 | 438.1 | 418.1 |
| 120° | 683.4 | 562.1 | 511.4 | 485.3 | 461.2 | 436.7 | 400.8 |
| 135° | 753.4 | 614.2 | 536.4 | 502.5 | 479.2 | 455.5 | 409.8 |
| 150° | 886.8 | 703.6 | 596.7 | 532.6 | 502.1 | 480.1 | 436.2 |
| Run VMG | 1024.0 | 812.5 | 687.4 | 604.5 | 546.2 | 510.7 | 467.2 |

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| Certificate |
| Number 018/17 |
| ORC Ref ROU00076896 |
| Issued On 04/07/2017 |
| VPP Ver. 2017 1.00 |
| Valid until 31/12/2017 |

| | | | | | | | | |
|-------------------------|--------------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Selected Courses | Windward / Leeward | 1072.0 | 873.0 | 759.0 | 686.2 | 644.4 | 620.8 | 599.1 |
| | Circular Random | 899.9 | 726.4 | 633.2 | 578.8 | 545.5 | 523.9 | 497.7 |
| | Ocean for PCS | 1104.0 | 853.2 | 711.5 | 624.5 | 567.7 | 527.9 | 472.2 |
| | Non Spinnaker | 950.6 | 762.2 | 659.9 | 599.6 | 562.4 | 538.3 | 509.2 |

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| Crew Weight |
| Declared 725kg |
| Default* 594kg |
| Non Manual Pwr No |

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| Special Scoring |
| ToD ToT |
| Non Spin GPH 680.9 0.8812 |
| Non Spin OSN 661.0 0.9077 |

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|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 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 | 44.0° | 42.8° | 43.1° | 41.8° | 41.0° | 40.7° | 41.2° |
| Beat VMG | 3.21 | 3.86 | 4.33 | 4.69 | 4.85 | 4.93 | 4.92 |
| 52° | 4.96 | 5.90 | 6.55 | 6.89 | 7.03 | 7.10 | 7.13 |
| 60° | 5.29 | 6.26 | 6.80 | 7.08 | 7.25 | 7.33 | 7.38 |
| 75° | 5.59 | 6.54 | 6.99 | 7.27 | 7.51 | 7.71 | 7.89 |
| 90° | 5.60 | 6.56 | 7.07 | 7.36 | 7.57 | 7.86 | 8.36 |
| 110° | 5.42 | 6.56 | 7.13 | 7.50 | 7.91 | 8.22 | 8.61 |
| 120° | 5.27 | 6.40 | 7.04 | 7.42 | 7.81 | 8.24 | 8.98 |
| 135° | 4.78 | 5.86 | 6.71 | 7.16 | 7.51 | 7.90 | 8.78 |
| 150° | 4.06 | 5.12 | 6.03 | 6.76 | 7.17 | 7.50 | 8.25 |
| Run VMG | 3.52 | 4.43 | 5.24 | 5.96 | 6.59 | 7.05 | 7.71 |
| Gybe Angles | 146.1° | 150.6° | 152.2° | 158.3° | 180.0° | 180.0° | 180.0° |

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

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| Class Division Length |
| CDL = 8.357 |

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| Storm Sails Areas |
| Heavy Weather Jib 23.91 |
| Storm Jib (JL=8.65) 8.86 |
| Storm Trysail 10.00 |

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|--------------|
| Owner |
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|---|---|
| BOAT | |
| Name Fly File ROU15918 | Sail Nr ROU 15918 Data in meters/kilograms |

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| INCLINING TEST AND FREEBOARDS | | | |
| Inclining Test Current Inclining | | | |
| Flotation date 19/10/2016 | | SG 1.0250 | |
| FFM 1.290 | FF 1.286 | SFFP 0.172 | |
| FAM 1.021 | FA 1.027 | SAFP 9.500 | |
| W1 50.8 | PD1 533.8 | WD 12.680 | |
| W2 50.8 | PD2 539.5 | GSA 1.0 | |
| W3 50.8 | PD3 536.2 | RSA 1.0 | |
| W4 50.8 | PD4 526.6 | PLM 9000.0 | |
| LCF from stem on CL / on sheer | | 5.401 / 5.630 | |
| Maximum beam station from stem | | 6.540 | |
| RM Measured | | 95.0kg·m | |
| RM Default | | 99.6kg·m | |
| Limit of positive stability / Stab.Index | | 121.7° / 121.9 | |
| Freeboard at mast at 3.720 | | 1.159 | |

| | | | |
|--------------------------------|----------------------------|-------------------|------------------|
| RIG | | | |
| Forestay Tension Aft | Spreaders 2 | | |
| Inner Stay None Fitted | Runners 0 | | |
| Carbon Mast Yes | Jumper Struts None | | |
| Taper Hollows No | Jib Furler No | | |
| Fiber Rigging No | Main Furler No | | |
| Lenticular Rigging No | Without Backstay No | | |
| Articulated Bowsprit No | | | |
| P 12.750 | E 4.480 | MDT1 0.110 | MW 0.164 |
| IG 13.180 | J 3.720 | MDL1 0.164 | GO 0.200 |
| ISP 13.736 | SFJ | MDT2 0.100 | BD 0.160 |
| BAS 1.590 | SPL 3.760 | MDL2 0.127 | MWT 89.30 |
| FSP 0.070 | TPS | TL 1.180 | MCG 5.800 |


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| MIZZEN RIG AND SAILS | |
| N/A | |

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

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| COMMENTS | |
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| MOVEABLE BALLAST | |
| N/A | |

| | |
|--------------------|--|
| CENTERBOARD | |
| N/A | |




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2017

IMS Measurement Certificate

Certificate

Number **018/17**
 ORC Ref **ROU00076896**
 Issued On **04/07/2017**
 VPP Ver. **2017 1.00**
 Valid until **31/12/2017**



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| | | | | | | | | | |
|------------------------------|---------------|-------|-------|------|------|-------|----------|---|--|
| SAILS (Maximum Areas) | | | | | | | | | |
| Mainsail | MHB | MUW | MTW | MHW | MQW | Area | Area (r) | Formula | |
| | 0.175 | 0.88 | 1.54 | 2.67 | 3.63 | 32.44 | 32.93 | P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB) | |
| Symmetric | SLU | SLE | SL | SHW | SFL | | | | |
| | 13.47 | 13.47 | 13.47 | 6.79 | 6.34 | 75.21 | | SL · (SFL + 4·SHW) / 6 | |
| Asymmetric | Not Available | | | | | | | | |

| | | | | | | | | | | | | |
|---|------|------|------|------|------|-------|-------|-----|-----|------------|----------|---------|
| HEADSAILS | | | | | | | | | | | | |
| 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 |
| 0.08 | 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 | |
| 0.11 | 0.44 | 0.85 | 1.76 | 2.77 | 3.80 | 12.39 | 22.75 | | | 01/07/2017 | Dacron | |

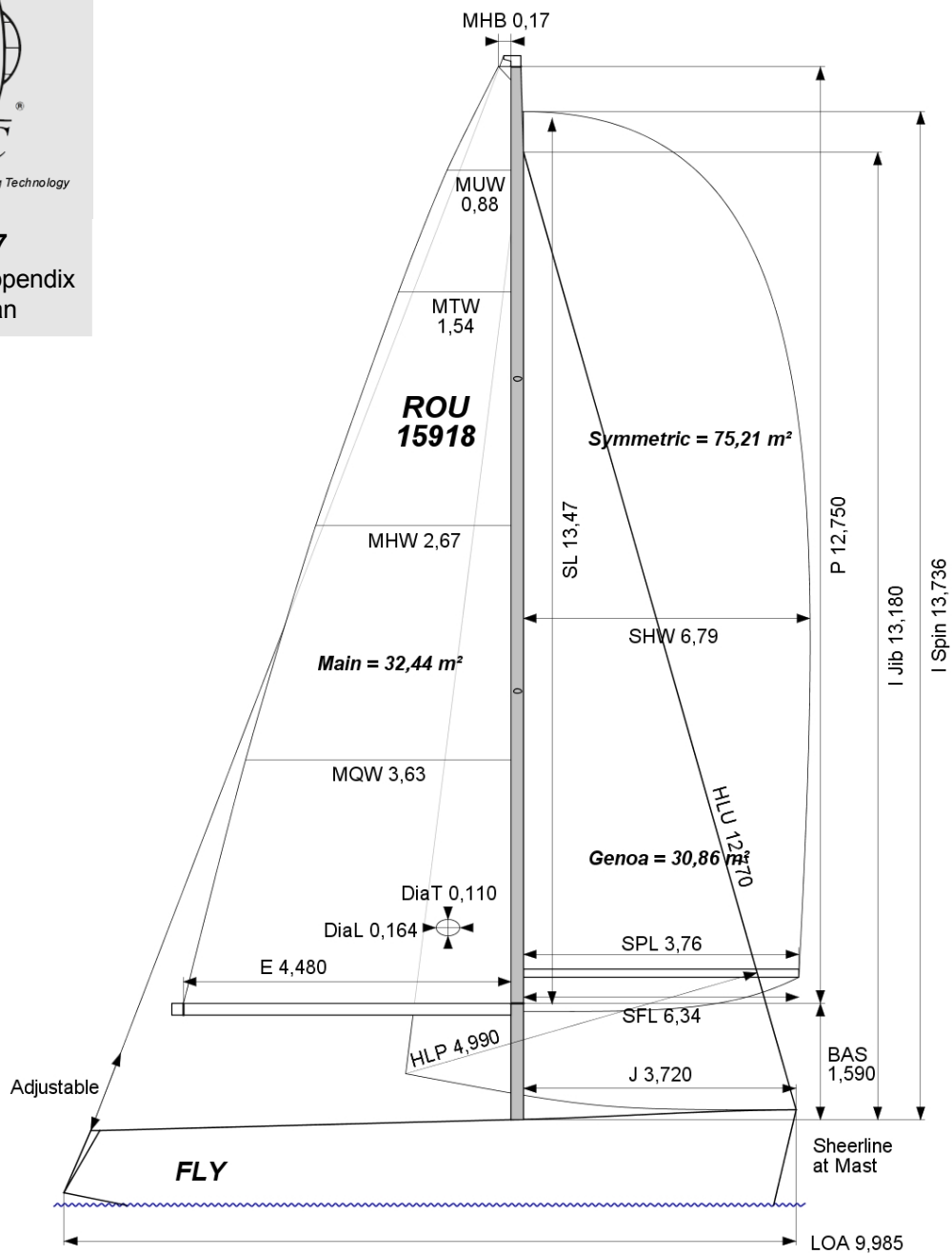
| | | | | |
|------------------------------|-------------|---------------------------|-----------------|------------------------|
| MEASUREMENT INVENTORY | | | | |
| Measurer Date Comment | | | | |
| <i>Id</i> | <i>Item</i> | <i>Weight</i> | <i>Distance</i> | <i>VCG Description</i> |
| SaS | Tools |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

| | | | | |
|------------------------------|-------------|---------------|-----------------|------------------------|
| MEASUREMENT INVENTORY | | | | |
| <i>Id</i> | <i>Item</i> | <i>Weight</i> | <i>Distance</i> | <i>VCG Description</i> |



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2017
Certificate Appendix
Sail Plan



SAILS INVENTORY

MAINSAIL (1)

| Id | MHB | MUW | MTW | MHW | MQW | Area | Measurer | Meas.Date | Manufacture | Material | Comment |
|-----|-------|------|------|------|------|-------|----------|-----------|-------------|----------|---------|
| ms1 | 0.175 | 0.88 | 1.54 | 2.67 | 3.63 | 32.44 | | | Quantum | Carbon | |

HEADSAILS (3)

| 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 | | | a.panait | 01/07/2017 | One | Carbon | |
| j1 | 0.05 | 0.61 | 1.19 | 2.36 | 3.57 | 4.79 | 12.51 | 129% | 29.84 | | | A.Panait | 01/07/2017 | One | Carbon | |
| j3 | 0.11 | 0.44 | 0.85 | 1.76 | 2.77 | 3.80 | 12.39 | 102% | 22.75 | | | A.Panait | 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 | a.panait | 01/07/2017 | NS | Nylon | |
| s1.5 | 13.48 | 13.48 | 13.48 | 6.69 | 6.52 | 74.77 | a.panait | 01/07/2017 | NS | Nylon | |

ASYMMETRIC SPINNAKERS (0)

| Id | SLU | SLE | SL | SHW | SFL | Area | Kind | Measurer | Meas.Date | Manufacture | Material | Comment |
|----|-----|-----|----|-----|-----|------|------|----------|-----------|-------------|----------|---------|
|----|-----|-----|----|-----|-----|------|------|----------|-----------|-------------|----------|---------|