

GPH = 775.3 **CDL = 5.698**

BOAT

Class **First 21.7 S**
 Designer **Finot**
 Builder **Beneteau**
 Age Date **01/2008**
 Series Date **01/2005**
 Offset File **F21.7CL.OFF**

HULL

Length Overall **6.400 m**
 Maximum Beam **2.500 m**
 Draft **1.797 m**
 Displacement **1,232 kg**
 DLR **6.4878**
 IMS Division **Cruiser/Racer**
 Dynamic Allowance **0.218%**
 Age Allowance **0.487%**

PROPELLER

Installation **No Propeller**
 Type **N/A**
 Diameter **N/A**

CREW

Maximum weight **350 kg**
 Minimum weight **263 kg * when applied**
 Non Manual Power **No**
 Crew Arm Extension

SAIL AREAS (m²)

| | Measured | Rated |
|-----------------|--------------|--------------|
| Mainsail | 13.64 | 13.90 |
| Headsail Luffed | 10.67 | 10.67 |
| Headsail Flying | | |

Symmetric
 Asymmetric **33.03** **33.03**
** All asymmetric spinnakers with SHW/SFL > 85%*

SAIL LIMITATIONS

Headsails **1**
 Spinnakers **4**

STABILITY

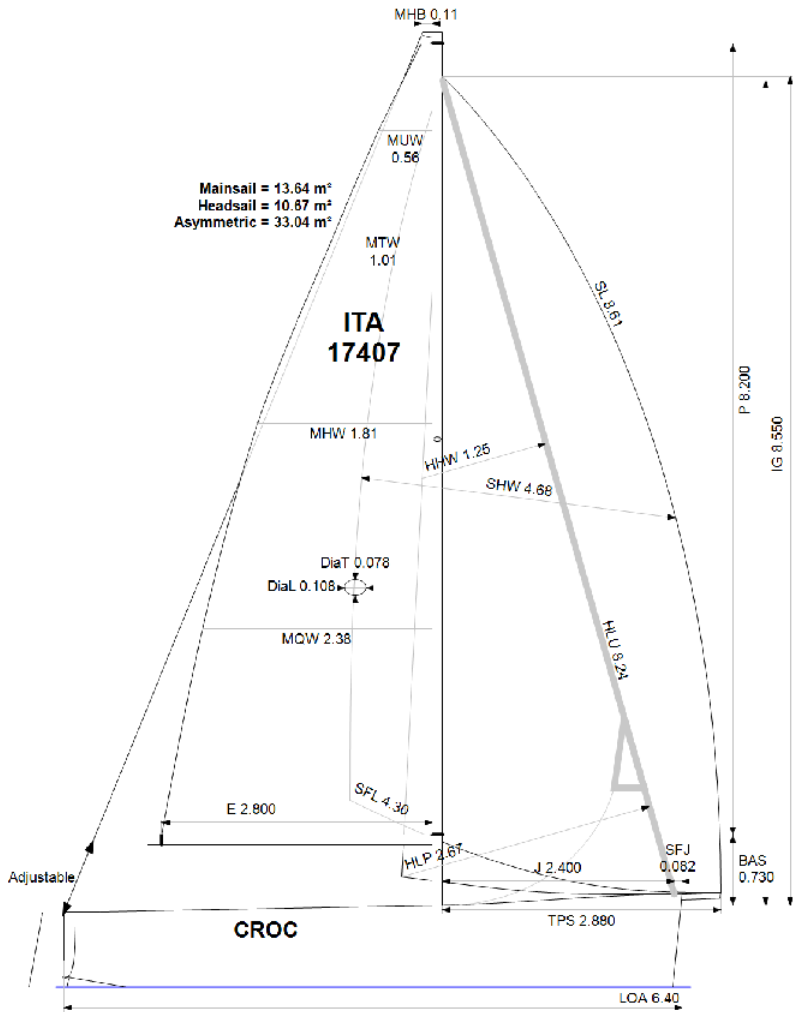
Righting Moment **26.8 kg·m**
 Stability Index **N/A**

COMMENTS

Intestatario: Caldari Andrea

OWNER

The owner certifies that he/she understands his/her responsibilities under ORC Rule and Regulations.



Rated boat velocities in knots

| Wind Velocity | 6 kt | 8 kt | 10 kt | 12 kt | 14 kt | 16 kt | 20 kt |
|---------------|--------|--------|--------|--------|--------|--------|--------|
| Beat Angles | 42.0° | 41.1° | 40.5° | 38.3° | 36.4° | 36.0° | 37.1° |
| Beat VMG | 2.76 | 3.29 | 3.68 | 4.00 | 4.23 | 4.30 | 4.24 |
| 52° | 4.15 | 4.89 | 5.34 | 5.58 | 5.76 | 5.88 | 5.90 |
| 60° | 4.36 | 5.10 | 5.48 | 5.70 | 5.90 | 6.06 | 6.14 |
| 75° | 4.52 | 5.27 | 5.64 | 5.87 | 6.05 | 6.29 | 6.59 |
| 90° | 4.75 | 5.51 | 5.87 | 6.21 | 6.44 | 6.55 | 6.86 |
| 110° | 4.76 | 5.51 | 5.89 | 6.28 | 6.66 | 7.03 | 7.50 |
| 120° | 4.60 | 5.41 | 5.81 | 6.18 | 6.57 | 6.97 | 7.80 |
| 135° | 4.17 | 5.07 | 5.59 | 5.93 | 6.29 | 6.66 | 7.44 |
| 150° | 3.60 | 4.45 | 5.11 | 5.51 | 5.77 | 6.03 | 6.63 |
| Run VMG | 3.12 | 3.85 | 4.43 | 4.86 | 5.36 | 5.67 | 6.20 |
| Gybe Angles | 147.0° | 147.3° | 148.0° | 174.0° | 177.0° | 178.0° | 178.0° |

| Time Allowances in secs/NM | | | | | | | |
|----------------------------|--------|--------|-------|-------|-------|-------|-------|
| Wind Velocity | 6 kt | 8 kt | 10 kt | 12 kt | 14 kt | 16 kt | 20 kt |
| Beat VMG | 1305.2 | 1095.6 | 978.3 | 900.2 | 851.9 | 836.6 | 848.3 |
| 52° | 867.7 | 735.7 | 674.5 | 645.5 | 624.9 | 612.5 | 610.2 |
| 60° | 826.2 | 705.8 | 656.8 | 631.7 | 610.6 | 593.8 | 585.9 |
| 75° | 796.5 | 683.5 | 638.1 | 613.2 | 594.6 | 572.4 | 546.2 |
| 90° | 758.6 | 653.8 | 612.8 | 580.1 | 559.4 | 549.6 | 524.8 |
| 110° | 755.8 | 652.9 | 610.9 | 573.4 | 540.2 | 512.0 | 479.8 |
| 120° | 783.0 | 665.4 | 619.9 | 582.8 | 547.9 | 516.7 | 461.3 |
| 135° | 862.6 | 710.3 | 643.5 | 607.1 | 572.2 | 540.8 | 483.7 |
| 150° | 1000.2 | 809.1 | 703.9 | 653.4 | 623.7 | 596.8 | 542.8 |
| Run VMG | 1155.0 | 934.3 | 812.8 | 740.4 | 671.3 | 634.7 | 580.3 |
| Selected Courses | | | | | | | |
| Windward / Leeward | 1230.1 | 1015.0 | 895.6 | 820.3 | 761.6 | 735.7 | 714.3 |
| All purpose | 953.7 | 798.9 | 722.2 | 674.6 | 639.4 | 617.9 | 592.7 |

| Single Number Scoring Options | | |
|-------------------------------|------------------|--------------|
| Course | Time On Distance | Time On Time |
| Windward / Leeward | 849.8 | 0.7060 |
| All purpose | 693.7 | 0.8650 |

Custom scoring options for Italy

| Single Number | Time On Distance | Time On Time |
|--|------------------|--------------|
| Coastal/Long Distance | 754.3 | 0.7955 |
| Triple Number Coastal/Long Distance Low | 876.3 | 0.6847 |
| Triple Number Coastal/Long Distance Medium | 692.0 | 0.8671 |
| Triple Number Coastal/Long Distance High | 613.8 | 0.9775 |
| Triple Number Windward/Leeward Low | 1122.5 | 0.5345 |
| Triple Number Windward/Leeward Medium | 847.0 | 0.7084 |
| Triple Number Windward/Leeward High | 734.1 | 0.8173 |

| Performance Curve | 6 kt | 8 kt | 10 kt | 12 kt | 14 kt | 16 kt | 20 kt |
|-----------------------|--------|-------|-------|-------|-------|-------|-------|
| Coastal/Long Distance | 1222.6 | 953.7 | 810.0 | 719.3 | 663.1 | 624.9 | 563.9 |