



ORC
Offshore Racing Congress
World leader in rating technology

2020
ORC Club
Certificate

Rating Office

Offshore
Racing
Congress



Certificate

Number **127/20**
Issued On **24/07/2020**
ORC Ref **03880000N3R**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 587kg
Maximum **650kg**
Minimum* **488kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

| | ToD | ToT |
|--------------|--------------|---------------|
| Non Spin GPH | 679.4 | 0.8831 |
| Non Spin OSN | 657.3 | 0.9128 |

Sails Limitations

Headsails **5** Spinnakers **4**

Spinnaker configuration
Symmetric: **Yes** 71.14
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

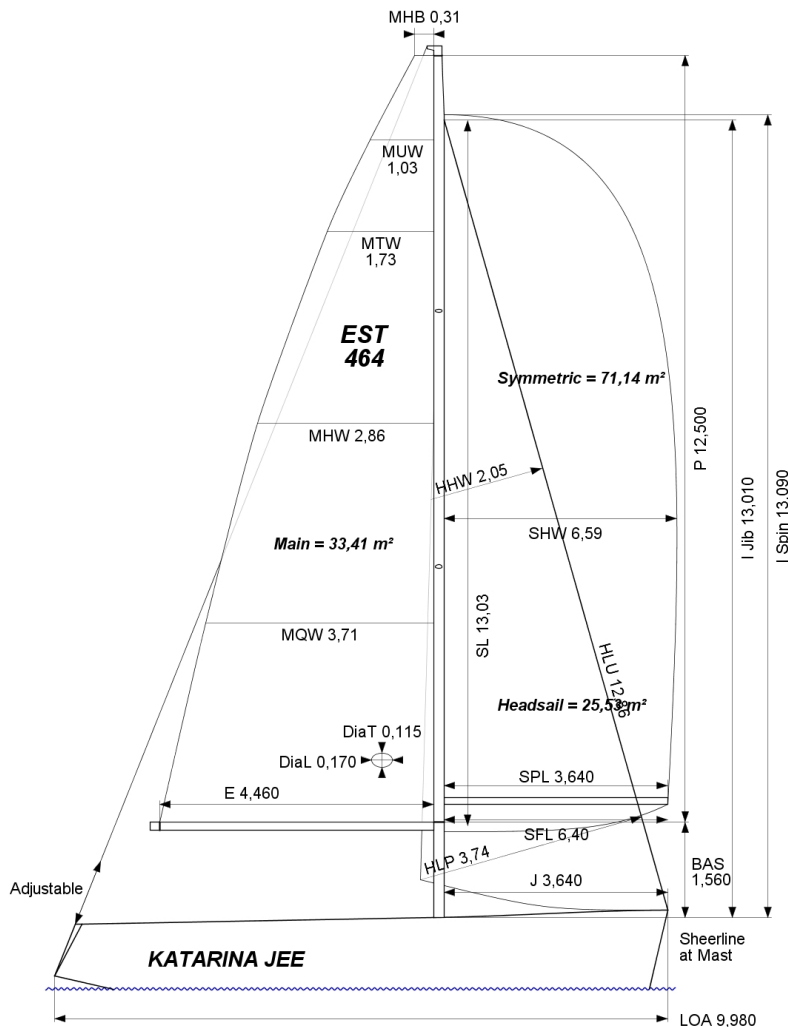
Class Division Length

CDL = 8.571

Stability (Measured)

Limit Positive Stab.: **131.6°**
Stability Index: **130.9**

Owner



| BOAT | | GPH | HULL | | | |
|--|--------------------------------|---------------|-----------------------------------|---|---------------|---------------|
| Name KATARINA JEE Sail Nr EST 464 | | 646.8 | Data File EST464 | LOA 9.980m | | |
| | | | Offset File F235.OFF | MB 3.372m | | |
| | | | Displacement 4,549kg | Draft 1.998m | | |
| CLASS | | | IMS Division Cruiser/Racer | Dynamic All. 0.212% | | |
| Class First 34.7 | | | Plan Review | Construction Cored | | |
| Designer Farr | | | Fiber Rigging No | Aramid Core No | | |
| Builder Beneteau | | | Crew Arm Ex | Carbon Rudder No | | |
| Series 10/2005 | | | | Light Stanchions No | | |
| Age Date 03/2007 | | | IMSL 9.074m | VCGD -0.189m | | |
| Age Allowance 0.487% | | | RL 8.077m | VCGM -0.171m | | |
| | | | WS 21.98m² | | | |
| COMMENTS | | | LSM0 8.944m | Displacement/Length ratio 6.3580 | | |
| | | | Water Ballast 0 | Trim Tab No | | |
| | | | BLR Index 0.0000 | | | |
| PROPELLER | | | CENTERBOARD | | | |
| Installation Strut | PRD 0.410 | | N/A | | | |
| Type Folding 2 blades | PIPA 0.0030 | | | | | |
| SCORING OPTIONS | | | | | | |
| | COASTAL / LONG DISTANCE | | | WINDWARD / LEEWARD | | |
| Time on Distance | 627.7 | | | 699.5 | | |
| Time on Time | 0.9558 | | | 0.9650 | | |
| Triple Number | Low | Medium | High | Low | Medium | High |
| Time on Distance | 745.6 | 571.8 | 507.9 | 964.0 | 703.3 | 607.8 |
| Time on Time | 0.9053 | 1.1805 | 1.3291 | 0.7002 | 0.9597 | 1.1106 |

2020

ORC Club Certificate Appendix

| BOAT | | | |
|-------------|---------------------|--------------------|-------------------|
| Name | KATARINA JEE | Certificate Number | 127/20 |
| Sail Nr | EST 464 | Issued On | 24/07/2020 |

| TIME ALLOWANCES | | | | | | | |
|-------------------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Wind Velocity | 6 kt | 8 kt | 10 kt | 12 kt | 14 kt | 16 kt | 20 kt |
| Beat VMG | 1104.9 | 916.8 | 805.0 | 743.0 | 721.3 | 713.6 | 709.0 |
| 52° | 719.4 | 606.6 | 547.0 | 520.9 | 509.2 | 505.0 | 503.0 |
| 60° | 679.0 | 576.3 | 530.6 | 508.7 | 496.2 | 490.2 | 487.1 |
| 75° | 650.4 | 555.5 | 518.5 | 498.3 | 482.3 | 469.3 | 457.2 |
| 90° | 658.8 | 551.5 | 508.5 | 487.0 | 476.7 | 461.2 | 433.5 |
| 110° | 656.4 | 544.5 | 503.0 | 477.0 | 452.5 | 432.6 | 412.2 |
| 120° | 677.4 | 557.7 | 509.0 | 482.1 | 456.7 | 432.5 | 392.3 |
| 135° | 749.7 | 610.1 | 534.0 | 500.5 | 475.8 | 450.8 | 404.4 |
| 150° | 885.4 | 703.2 | 595.3 | 531.5 | 500.8 | 477.6 | 432.2 |
| Run VMG | 1022.4 | 812.0 | 686.2 | 603.4 | 545.5 | 509.9 | 464.3 |
| Selected Courses | | | | | | | |
| Windward / Leeward | 1063.7 | 864.4 | 745.6 | 673.2 | 633.4 | 611.8 | 586.7 |
| Circular Random | 894.0 | 720.7 | 627.4 | 573.0 | 539.7 | 518.0 | 490.5 |
| Coastal / Long Distance | 1059.5 | 810.9 | 672.1 | 590.5 | 550.0 | 519.1 | 467.1 |
| Non Spinnaker | 952.4 | 761.9 | 658.1 | 596.9 | 559.1 | 534.7 | 504.4 |

| 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 | 43.1° | 41.6° | 41.3° | 39.4° | 39.0° | 39.0° | 39.0° |
| Beat VMG | 3.26 | 3.93 | 4.47 | 4.85 | 4.99 | 5.04 | 5.08 |
| 52° | 5.00 | 5.93 | 6.58 | 6.91 | 7.07 | 7.13 | 7.16 |
| 60° | 5.30 | 6.25 | 6.79 | 7.08 | 7.25 | 7.34 | 7.39 |
| 75° | 5.54 | 6.48 | 6.94 | 7.22 | 7.46 | 7.67 | 7.87 |
| 90° | 5.46 | 6.53 | 7.08 | 7.39 | 7.55 | 7.81 | 8.31 |
| 110° | 5.48 | 6.61 | 7.16 | 7.55 | 7.96 | 8.32 | 8.73 |
| 120° | 5.31 | 6.45 | 7.07 | 7.47 | 7.88 | 8.32 | 9.18 |
| 135° | 4.80 | 5.90 | 6.74 | 7.19 | 7.57 | 7.99 | 8.90 |
| 150° | 4.07 | 5.12 | 6.05 | 6.77 | 7.19 | 7.54 | 8.33 |
| Run VMG | 3.52 | 4.43 | 5.25 | 5.97 | 6.60 | 7.06 | 7.75 |
| Gybe Angles | 145.5° | 150.0° | 152.0° | 158.0° | 180.0° | 180.0° | 180.0° |