



World Leader in Rating Technology

2017 ORC Club Certificate

Rating Office

EYU
Regati 1
11911, Tallinn
Estonia

Certificate

Number **EST464**
Issued On **1.07.2017**
ORC Ref **EST00001460**
VPP Ver. **2017 1.00**
Valid until **31.12.2017**

Crew Weight

Declared **648kg**
Default* **595kg**
Non Manual Pwr **No**

Special Scoring

| | ToD | ToT |
|--------------|-------|--------|
| Double H.GPH | 659,0 | 0,9105 |
| Double H.OSN | 640,8 | 0,9363 |
| Non Spin GPH | 687,1 | 0,8732 |
| Non Spin OSN | 664,4 | 0,9031 |

Sails Limitations

Headsails **5** Spinnakers **3**

Spinnaker configuration

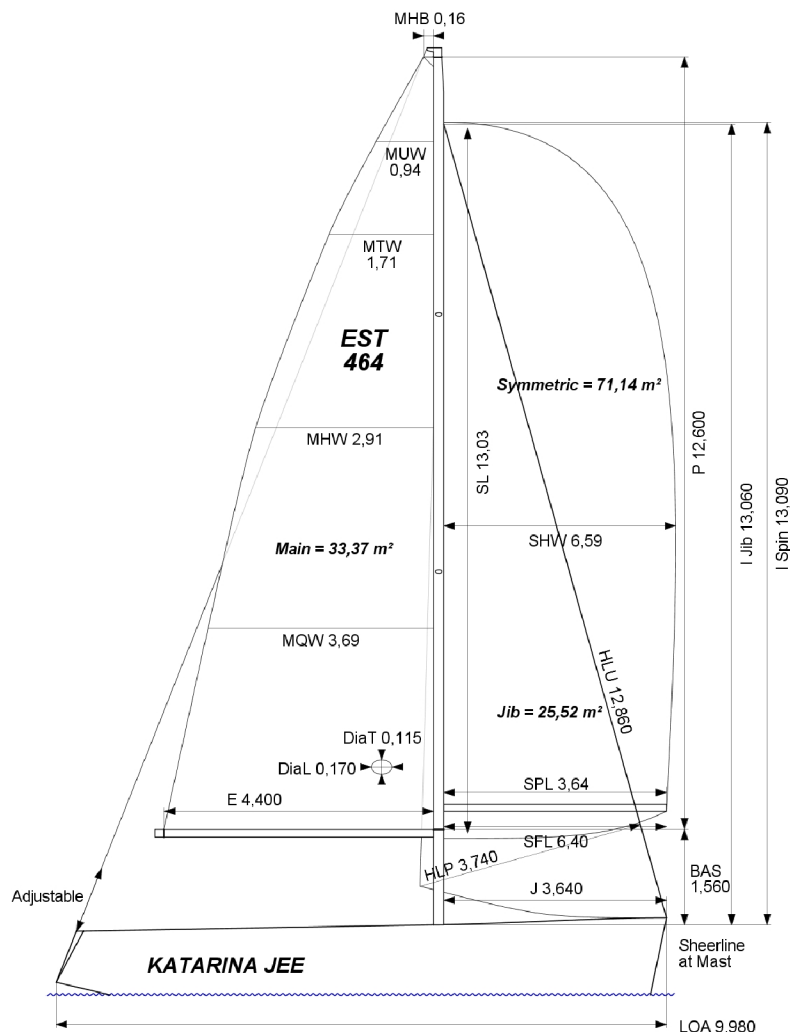
Symmetric: **Yes** 71,14
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = **8,434**

Stability (Measured)

Limit Positive Stab.: **128,1°**
Stability Index: **128,4**



| BOAT | GPH | HULL |
|---|--------------|--|
| Name KATARINA JEE Sail Nr EST 464 | 656,4 | Data File Est0464 LOA 9,980m Offset File F235.OFF MB 3,372m Displacement 4 842kg Draft 2,016m |
| CLASS Class First 34.7 Designer Farr Builder Beneteau Series 10.2005 Age Date 03.2007 Age Allowance 0,390% | | IMS Division Cruiser/Racer Dynamic All. 0,254% Fwd Accom. No Construction Cored Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions |
| COMMENTS | | IMSL 9,151m VCGD -0,107m Sink 16,63kg/mm RL 7,716m VCGM -0,107m WS 22,46m² LSM0 9,029m Displacement/Length ratio 6,5782 |
| PROPELLER Installation Strut PRD 0,410 Type Folding 2 blades PIPA 0,0030 | | Water Ballast 0 Trim Tab No |
| | | CENTERBOARD N/A |

| SCORING OPTIONS | COASTAL / LONG DISTANCE | | | WINDWARD / LEEWARD | | |
|------------------|-------------------------|---------------|---------------|--------------------|---------------|---------------|
| | Low | Medium | High | Low | Medium | High |
| Time On Distance | 636,7 | | | 710,2 | | |
| Time On Time | 0,9423 | | | 0,9505 | | |
| Triple Number | Low | Medium | High | Low | Medium | High |
| Time on Distance | 761,1 | 579,5 | 510,0 | 986,6 | 717,4 | 610,5 |
| Time on Time | 0,8869 | 1,1647 | 1,3235 | 0,6842 | 0,9409 | 1,1056 |



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ORC Club Certificate Appendix

| BOAT | | | |
|-------------|---------------------|--------------------|------------------|
| Name | KATARINA JEE | Certificate Number | EST464 |
| Sail Nr | EST 464 | Issued On | 1.07.2017 |

| TIME ALLOWANCES | | | | | | | |
|------------------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Wind Velocity | 6 kt | 8 kt | 10 kt | 12 kt | 14 kt | 16 kt | 20 kt |
| Beat VMG | 1134,5 | 940,7 | 833,0 | 760,2 | 728,6 | 714,5 | 704,7 |
| 52° | 738,7 | 619,5 | 553,8 | 522,9 | 508,6 | 502,9 | 499,2 |
| 60° | 694,9 | 584,5 | 532,9 | 508,9 | 494,9 | 487,3 | 482,2 |
| 75° | 659,2 | 558,8 | 518,2 | 497,6 | 480,8 | 466,3 | 451,4 |
| 90° | 661,5 | 556,9 | 509,2 | 486,7 | 478,0 | 461,7 | 431,3 |
| 110° | 670,6 | 553,1 | 507,2 | 481,7 | 457,0 | 436,8 | 417,5 |
| 120° | 692,7 | 568,5 | 514,2 | 487,9 | 464,3 | 440,2 | 400,1 |
| 135° | 767,2 | 624,2 | 541,6 | 505,5 | 482,2 | 459,1 | 414,3 |
| 150° | 904,8 | 715,7 | 605,9 | 537,6 | 505,2 | 483,2 | 440,2 |
| Run VMG | 1044,7 | 826,4 | 698,3 | 611,5 | 551,0 | 513,7 | 470,2 |

| Selected Courses | | | | | | | |
|-------------------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Windward / Leeward | 1089,6 | 883,6 | 765,7 | 685,9 | 639,8 | 614,1 | 587,4 |
| Circular Random | 911,7 | 733,3 | 636,6 | 579,6 | 544,1 | 520,9 | 491,7 |
| Ocean for PCS | 1117,7 | 860,8 | 715,0 | 625,3 | 566,8 | 525,9 | 468,7 |
| Non Spinnaker | 966,5 | 772,1 | 665,5 | 602,1 | 562,4 | 536,4 | 504,3 |

| 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 | 43,3° | 42,0° | 42,2° | 40,9° | 40,1° | 39,5° | 39,2° |
| Beat VMG | 3,17 | 3,83 | 4,32 | 4,74 | 4,94 | 5,04 | 5,11 |
| 52° | 4,87 | 5,81 | 6,50 | 6,89 | 7,08 | 7,16 | 7,21 |
| 60° | 5,18 | 6,16 | 6,76 | 7,07 | 7,27 | 7,39 | 7,47 |
| 75° | 5,46 | 6,44 | 6,95 | 7,23 | 7,49 | 7,72 | 7,98 |
| 90° | 5,44 | 6,46 | 7,07 | 7,40 | 7,53 | 7,80 | 8,35 |
| 110° | 5,37 | 6,51 | 7,10 | 7,47 | 7,88 | 8,24 | 8,62 |
| 120° | 5,20 | 6,33 | 7,00 | 7,38 | 7,75 | 8,18 | 9,00 |
| 135° | 4,69 | 5,77 | 6,65 | 7,12 | 7,47 | 7,84 | 8,69 |
| 150° | 3,98 | 5,03 | 5,94 | 6,70 | 7,13 | 7,45 | 8,18 |
| Run VMG | 3,45 | 4,36 | 5,16 | 5,89 | 6,53 | 7,01 | 7,66 |
| Gybe Angles | 146,0° | 150,7° | 152,3° | 157,9° | 180,0° | 180,0° | 180,0° |