



ORC
Offshore Racing Congress
World leader in rating technology

**2020
ORC Club
Certificate**

Rating Office

**Offshore
Racing
Congress**



Certificate

Number **059/20**
Issued On **11/06/2020**
ORC Ref **03880000KHS**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 628kg
Maximum **650kg**
Minimum* **488kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

| | ToD | ToT |
|--------------|--------------|---------------|
| Non Spin GPH | 650.4 | 0.9225 |
| Non Spin OSN | 631.3 | 0.9505 |

Sails Limitations

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

Spinnaker configuration
Symmetric: **Yes** **94.27**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

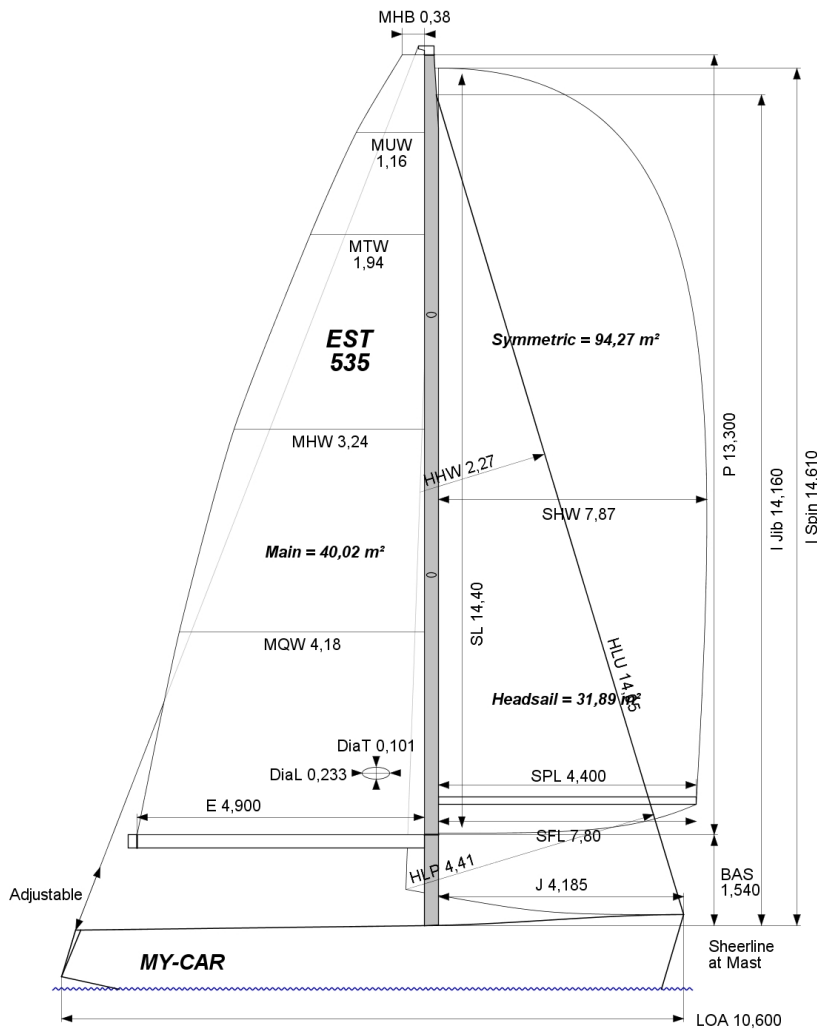
Class Division Length

CDL = 9.102

Stability (Estimated)

Limit Positive Stab.: **129.5°**
Stability Index: **130.9**

Owner



| BOAT | | GPH | HULL | | | |
|------------------------------|--------------------------------|---------------|-----------------------------------|---|---------------|---------------|
| Name MY-CAR | | 616.3 | Data File EST535 | LOA 10.600m | | |
| Sail Nr EST 535 | | | Offset File X35mk2DEFmkr | MB 3.250m | | |
| | | | Displacement 4,703kg | Draft 2.006m | | |
| CLASS | | | IMS Division Cruiser/Racer | Dynamic All. 0.087% | | |
| Class X-35 mod | | | Plan Review | Construction Cored | | |
| Designer JEPPESEN | | | Fiber Rigging Yes | Aramid Core No | | |
| Builder X YACHTS | | | Crew Arm Ex | Carbon Rudder No | | |
| Series 09/2005 | | | | Light Stanchions No | | |
| Age Date 09/2008 | | | IMSL 9.494m | VCGD -0.180m | | |
| Age Allowance 0.487% | | | RL 8.721m | VCGM -0.197m | | |
| COMMENTS | | | WS 24.73m² | | | |
| Boat weight declared | | | LSM0 9.375m | Displacement/Length ratio 5.7077 | | |
| PROPELLER | | | Water Ballast 0 | Trim Tab No | | |
| Installation Strut | PRD 0.420 | | BLR Index 0.0000 | | | |
| Type Folding 2 blades | PBW 0.128 | | | | | |
| | PIPA 0.0033 | | CENTERBOARD | | | |
| | | | | N/A | | |
| SCORING OPTIONS | | | | | | |
| | COASTAL / LONG DISTANCE | | | WINDWARD / LEEWARD | | |
| Time on Distance | 598.9 | | | 668.8 | | |
| Time on Time | 1.0019 | | | 1.0093 | | |
| Triple Number | Low | Medium | High | Low | Medium | High |
| Time on Distance | 705.4 | 546.0 | 487.1 | 910.8 | 670.0 | 585.0 |
| Time on Time | 0.9569 | 1.2362 | 1.3858 | 0.7411 | 1.0074 | 1.1538 |

2020

ORC Club Certificate Appendix

| BOAT | |
|------------------------|----------------------------------|
| Name MY-CAR | Certificate Number 059/20 |
| Sail Nr EST 535 | Issued On 11/06/2020 |

| TIME ALLOWANCES | | | | | | | |
|-------------------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Wind Velocity | 6 kt | 8 kt | 10 kt | 12 kt | 14 kt | 16 kt | 20 kt |
| Beat VMG | 1045.1 | 859.6 | 755.5 | 715.0 | 699.6 | 693.3 | 681.2 |
| 52° | 681.7 | 571.4 | 520.4 | 502.1 | 495.6 | 492.5 | 485.6 |
| 60° | 642.5 | 546.6 | 506.9 | 489.4 | 481.8 | 477.7 | 471.6 |
| 75° | 612.9 | 530.0 | 497.2 | 477.1 | 462.1 | 453.3 | 446.1 |
| 90° | 620.0 | 530.0 | 492.5 | 474.7 | 454.8 | 436.8 | 414.9 |
| 110° | 624.2 | 521.1 | 482.2 | 455.0 | 435.6 | 422.1 | 399.3 |
| 120° | 641.4 | 530.2 | 487.1 | 457.4 | 428.7 | 405.0 | 377.9 |
| 135° | 708.5 | 573.0 | 508.2 | 476.8 | 448.3 | 420.7 | 363.8 |
| 150° | 839.0 | 666.4 | 563.1 | 507.2 | 478.0 | 451.6 | 401.1 |
| Run VMG | 968.8 | 769.4 | 649.6 | 575.2 | 523.8 | 490.1 | 440.0 |
| Selected Courses | | | | | | | |
| Windward / Leeward | 1007.0 | 814.5 | 702.5 | 645.1 | 611.7 | 591.7 | 560.6 |
| Circular Random | 847.8 | 684.8 | 598.0 | 547.9 | 517.0 | 496.4 | 467.9 |
| Coastal / Long Distance | 1003.2 | 765.3 | 635.7 | 566.4 | 528.3 | 497.5 | 447.6 |
| Non Spinnaker | 909.1 | 728.1 | 630.1 | 572.8 | 537.4 | 513.8 | 482.3 |

| 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 | 42.8° | 41.6° | 40.5° | 39.0° | 39.0° | 38.6° | 38.6° |
| Beat VMG | 3.44 | 4.19 | 4.77 | 5.03 | 5.15 | 5.19 | 5.28 |
| 52° | 5.28 | 6.30 | 6.92 | 7.17 | 7.26 | 7.31 | 7.41 |
| 60° | 5.60 | 6.59 | 7.10 | 7.36 | 7.47 | 7.54 | 7.63 |
| 75° | 5.87 | 6.79 | 7.24 | 7.55 | 7.79 | 7.94 | 8.07 |
| 90° | 5.81 | 6.79 | 7.31 | 7.58 | 7.92 | 8.24 | 8.68 |
| 110° | 5.77 | 6.91 | 7.47 | 7.91 | 8.26 | 8.53 | 9.02 |
| 120° | 5.61 | 6.79 | 7.39 | 7.87 | 8.40 | 8.89 | 9.53 |
| 135° | 5.08 | 6.28 | 7.08 | 7.55 | 8.03 | 8.56 | 9.90 |
| 150° | 4.29 | 5.40 | 6.39 | 7.10 | 7.53 | 7.97 | 8.98 |
| Run VMG | 3.72 | 4.68 | 5.54 | 6.26 | 6.87 | 7.34 | 8.18 |
| Gybe Angles | 145.0° | 148.5° | 151.0° | 158.0° | 180.0° | 180.0° | 180.0° |