



ORC

Offshore Racing Congress
World leader in rating technology

**2020
ORC Club
Certificate**

Rating Office

**Offshore
Racing
Congress**



Certificate

Number
Issued On **30/05/2020**
ORC Ref **04140000JD7**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 416kg
Maximum **416kg**
Minimum* **312kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

| | | |
|--------------|--------------|---------------|
| | ToD | ToT |
| Non Spin GPH | 812.7 | 0.7383 |
| Non Spin OSN | 785.1 | 0.7643 |

Sails Limitations

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

Spinnaker configuration
Symmetric: **Yes** 45.86
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

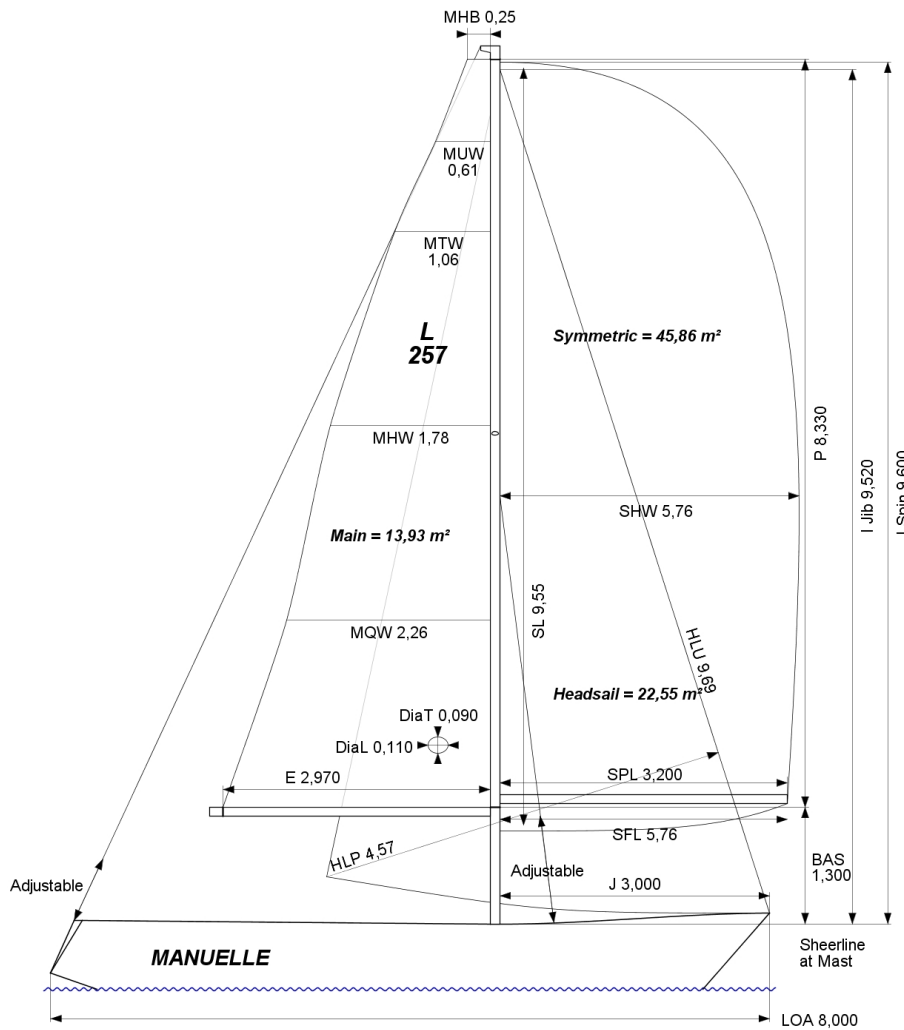
Class Division Length

CDL = 6.118

Stability (Estimated)

Limit Positive Stab.: **116.5°**
Stability Index: **120.2**

Owner



| | | | | | | |
|---|--------------------------------|--|--|--|---------------|---------------|
| BOAT Name Manuelle Sail Nr L257 | | GPH 778.9 | HULL Data File L257 LOA 8.000m Offset File Offsh8mCL.off MB 2.402m Displacement 2,801kg Draft 1.358m | | | |
| CLASS Class OFFSHORE 8 METER Designer Van de Stadt Builder Offshore Yachts Lt Series 01/1969 Age Date 01/1971 Age Allowance 0.487% | | IMS Division Cruiser/Racer Dynamic All. 0.485% Plan Review Construction Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No | | IMSL 6.973m VCGD -0.014m Sink 9.54kg/mm RL 5.263m VCGM -0.036m WS 13.82m² LSM0 7.028m Displacement/Length ratio 8.0690 | | |
| COMMENTS | | Water Ballast 0 Trim Tab No BLR Index 0.0000 | | | | |
| PROPELLER Installation Shaft exposed PRD 0.340 Type Solid 3 blades PIPA 0.0144 | | CENTERBOARD N/A | | | | |
| SCORING OPTIONS | | | | | | |
| Time on Distance | COASTAL / LONG DISTANCE | | | WINDWARD / LEEWARD | | |
| | 755.1 | | | 843.1 | | |
| Time on Time | 0.7946 | | | 0.8006 | | |
| Triple Number | Low | Medium | High | Low | Medium | High |
| Time on Distance | 904.6 | 685.8 | 612.2 | 1168.2 | 848.8 | 732.3 |
| Time on Time | 0.7462 | 0.9842 | 1.1025 | 0.5778 | 0.7952 | 0.9218 |

2020

ORC Club Certificate Appendix

| BOAT | |
|--------------------|-------------------|
| Name | Manuelle |
| Sail Nr | L257 |
| Certificate Number | |
| Issued On | 30/05/2020 |

| TIME ALLOWANCES | | | | | | | |
|-------------------------|---------------|---------------|--------------|--------------|--------------|--------------|--------------|
| Wind Velocity | 6 kt | 8 kt | 10 kt | 12 kt | 14 kt | 16 kt | 20 kt |
| Beat VMG | 1360.6 | 1129.5 | 995.5 | 920.4 | 889.3 | 874.5 | 875.6 |
| 52° | 876.9 | 737.6 | 658.2 | 621.6 | 607.0 | 600.6 | 598.0 |
| 60° | 825.6 | 695.2 | 631.2 | 603.2 | 589.2 | 582.7 | 578.9 |
| 75° | 793.4 | 667.2 | 612.4 | 588.4 | 572.9 | 561.5 | 550.3 |
| 90° | 806.6 | 671.4 | 605.7 | 580.6 | 569.3 | 554.4 | 530.1 |
| 110° | 797.0 | 652.7 | 594.2 | 566.7 | 544.5 | 525.8 | 507.7 |
| 120° | 819.9 | 668.7 | 599.9 | 570.0 | 545.6 | 522.1 | 487.9 |
| 135° | 911.3 | 734.6 | 627.9 | 586.7 | 561.2 | 537.0 | 491.4 |
| 150° | 1057.1 | 834.4 | 702.4 | 620.5 | 585.5 | 562.0 | 517.3 |
| Run VMG | 1220.6 | 962.3 | 809.5 | 703.6 | 632.1 | 593.2 | 547.7 |
| Selected Courses | | | | | | | |
| Windward / Leeward | 1290.6 | 1045.9 | 902.5 | 812.0 | 760.7 | 733.9 | 711.6 |
| Circular Random | 1081.9 | 869.4 | 754.8 | 688.5 | 648.7 | 624.1 | 596.6 |
| Coastal / Long Distance | 1283.6 | 980.2 | 809.8 | 708.8 | 658.9 | 622.7 | 566.8 |
| Non Spinnaker | 1142.0 | 912.2 | 786.8 | 713.2 | 668.3 | 640.3 | 609.1 |

| 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 | 44.3° | 43.5° | 42.4° | 42.4° | 41.6° | 41.3° | 41.6° |
| Beat VMG | 2.65 | 3.19 | 3.62 | 3.91 | 4.05 | 4.12 | 4.11 |
| 52° | 4.11 | 4.88 | 5.47 | 5.79 | 5.93 | 5.99 | 6.02 |
| 60° | 4.36 | 5.18 | 5.70 | 5.97 | 6.11 | 6.18 | 6.22 |
| 75° | 4.54 | 5.40 | 5.88 | 6.12 | 6.28 | 6.41 | 6.54 |
| 90° | 4.46 | 5.36 | 5.94 | 6.20 | 6.32 | 6.49 | 6.79 |
| 110° | 4.52 | 5.52 | 6.06 | 6.35 | 6.61 | 6.85 | 7.09 |
| 120° | 4.39 | 5.38 | 6.00 | 6.32 | 6.60 | 6.89 | 7.38 |
| 135° | 3.95 | 4.90 | 5.73 | 6.14 | 6.41 | 6.70 | 7.33 |
| 150° | 3.41 | 4.31 | 5.13 | 5.80 | 6.15 | 6.41 | 6.96 |
| Run VMG | 2.95 | 3.74 | 4.45 | 5.12 | 5.69 | 6.07 | 6.57 |
| Gybe Angles | 148.0° | 152.0° | 152.0° | 159.0° | 180.0° | 180.0° | 180.0° |