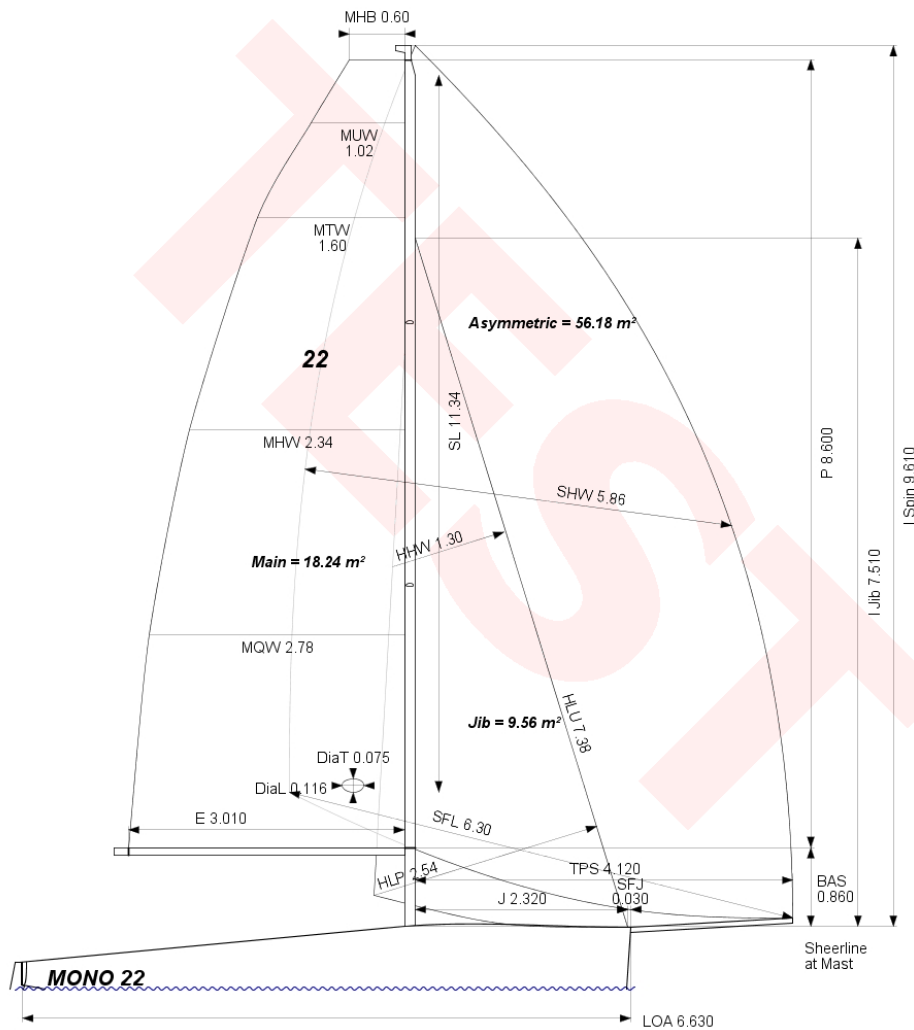




World Leader in Rating Technology

2019 (Test) ORC Club One Design Certificate



Rating Office

Certificate

Number **149034**
Issued On **15/01/2019**
ORC Ref **N/A**
VPP Ver. **2019 1.01**

Invalid for Racing

Crew Weight

Default 362kg
Maximum 270kg
Minimum* 185kg
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

| | ToD | ToT |
|--------------|-------|--------|
| Non Spin GPH | 709.7 | 0.8454 |
| Non Spin OSN | 684.3 | 0.8769 |

Sails Limitations

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

Asymmetric on centerline

Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes** 56.18
Flying H/S: **No**
Spin. Pole: **No**

Class Division Length

CDL = **6.839**

Stability (Estimated)

Limit Positive Stab.: **111.2°**
Stability Index: **102.3**

Owner

I certify that I understand my responsibilities under ORC Rules and Regulations

Signature

| BOAT | | GPH | | HULL | | |
|--------------------------------------|--------------------------------|---------------|---------------|---------------------------|---|---------------|
| Name | MONO 22 | | 653.7 | Data File | mono22 LOA 6.630m | |
| Sail Nr | 22- | | | Offset File | mono22.od MB 2.450m | |
| | | | | Displacement | 660kg Draft 1.616m | |
| CLASS | | | | IMS Division | Sportboat Dynamic All. 0.185% | |
| Class | MONO 22 | | | Fwd Accom. | No Construction Solid | |
| Designer | MAROLLI | | | Fiber Rigging | No Aramid Core No | |
| Builder | M.VELA | | | Crew Arm Ex | 0.50 Carbon Rudder Yes | |
| Series | 01/1996 | | | Light Stanchions | | |
| Age Date | 06/2002 | | | IMSL | 6.641m VCGD -0.250m Sink 7.84kg/mm | |
| Age Allowance | 0.487% | | | RL | 7.036m VCGM -0.241m WS 9.77m² | |
| COMMENTS | | | | LSMO | 6.367m Displacement/Length ratio 2.5571 | |
| Outboarder (15kg) on board CEXT: 0,5 | | | | Water Ballast | 0 Trim Tab No | |
| PROPELLER | | | | BLR Index | 0.0000 | |
| Type No Propeller | | | | CENTERBOARD | | |
| | | | | N/A | | |
| SCORING OPTIONS | | | | | | |
| | COASTAL / LONG DISTANCE | | | WINDWARD / LEEWARD | | |
| Time on Distance | 633.6 | | | 717.2 | | |
| Time on Time | 0.9469 | | | 0.9411 | | |
| Triple Number | Low | Medium | High | Low | Medium | High |
| Time on Distance | 746.8 | 583.9 | 497.1 | 957.3 | 725.7 | 612.6 |
| Time on Time | 0.9039 | 1.1560 | 1.3578 | 0.7051 | 0.9302 | 1.1019 |



World Leader in Rating Technology

2019 (Test)

ORC Club Certificate Appendix

| BOAT | |
|--------------------|-------------------|
| Name | MONO 22 |
| Certificate Number | 149034 |
| Sail Nr | 22- |
| Issued On | 15/01/2019 |

| TIME ALLOWANCES | | | | | | | |
|------------------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Wind Velocity | 6 kt | 8 kt | 10 kt | 12 kt | 14 kt | 16 kt | 20 kt |
| Beat VMG | 1142.6 | 931.9 | 827.8 | 796.1 | 788.5 | 785.5 | 777.2 |
| 52° | 750.9 | 634.2 | 589.7 | 568.8 | 560.2 | 555.1 | 541.4 |
| 60° | 709.5 | 615.4 | 572.6 | 541.0 | 529.6 | 523.7 | 507.4 |
| 75° | 678.3 | 602.0 | 556.1 | 508.0 | 482.7 | 471.7 | 458.0 |
| 90° | 639.0 | 573.9 | 544.5 | 506.1 | 455.0 | 426.1 | 405.1 |
| 110° | 629.1 | 548.7 | 494.9 | 465.6 | 438.3 | 406.2 | 357.0 |
| 120° | 643.3 | 559.3 | 486.9 | 439.0 | 410.5 | 381.5 | 336.3 |
| 135° | 716.1 | 599.1 | 528.5 | 459.9 | 400.2 | 344.4 | 288.2 |
| 150° | 846.7 | 673.1 | 596.6 | 533.5 | 469.2 | 414.3 | 293.7 |
| Run VMG | 977.7 | 777.2 | 688.9 | 616.0 | 541.8 | 478.4 | 339.1 |

| Selected Courses | | | | | | | |
|-------------------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Windward / Leeward | 1060.2 | 854.5 | 758.4 | 706.0 | 665.2 | 632.0 | 558.1 |
| Circular Random | 898.8 | 728.5 | 635.8 | 578.8 | 539.5 | 509.1 | 460.9 |
| Coastal / Long Distance | 1051.9 | 804.7 | 685.6 | 608.9 | 556.6 | 512.0 | 432.9 |
| Non Spinnaker | 993.7 | 796.0 | 688.1 | 623.4 | 580.8 | 549.7 | 502.6 |

| 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 | 42.5° | 41.2° | 38.0° | 36.8° | 36.7° | 36.8° | 37.2° |
| Beat VMG | 3.15 | 3.86 | 4.35 | 4.52 | 4.57 | 4.58 | 4.63 |
| 52° | 4.79 | 5.68 | 6.11 | 6.33 | 6.43 | 6.49 | 6.65 |
| 60° | 5.07 | 5.85 | 6.29 | 6.65 | 6.80 | 6.87 | 7.10 |
| 75° | 5.31 | 5.98 | 6.47 | 7.09 | 7.46 | 7.63 | 7.86 |
| 90° | 5.63 | 6.27 | 6.61 | 7.11 | 7.91 | 8.45 | 8.89 |
| 110° | 5.72 | 6.56 | 7.27 | 7.73 | 8.21 | 8.86 | 10.09 |
| 120° | 5.60 | 6.44 | 7.39 | 8.20 | 8.77 | 9.44 | 10.70 |
| 135° | 5.03 | 6.01 | 6.81 | 7.83 | 8.99 | 10.45 | 12.49 |
| 150° | 4.25 | 5.35 | 6.03 | 6.75 | 7.67 | 8.69 | 12.26 |
| Run VMG | 3.68 | 4.63 | 5.23 | 5.84 | 6.64 | 7.52 | 10.62 |
| Gybe Angles | 144.2° | 148.7° | 150.2° | 147.4° | 144.4° | 143.1° | 143.8° |