

Rating Office

Offshore
Racing
Congress



Certificate

Number **032/30**
Issued On **20/05/2020**
ORC Ref **03850000IKP**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 556kg
Maximum **480kg**
Minimum* **360kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

| | ToD | ToT |
|--------------|--------------|---------------|
| Non Spin GPH | 736.0 | 0.8152 |
| Non Spin OSN | 710.7 | 0.8443 |

Sails Limitations

Headsails **1** Spinnakers **0**
Woven Polyester

Spinnaker configuration

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

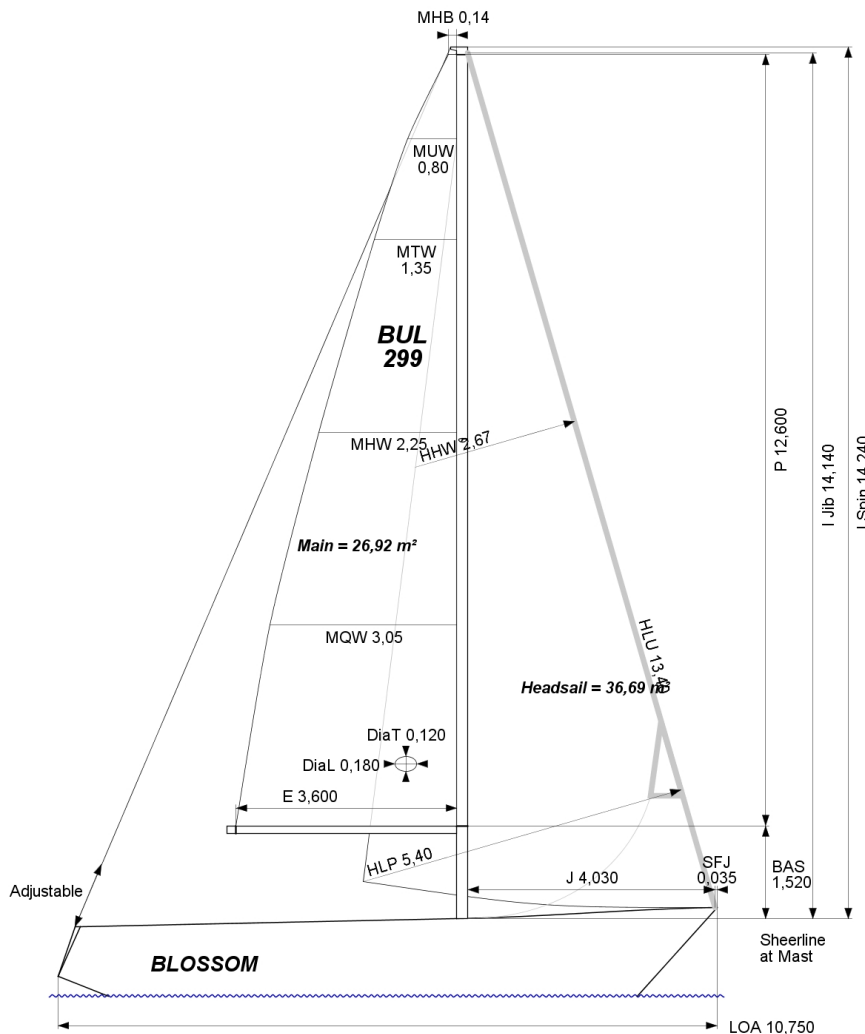
Class Division Length

CDL = 7.522

Stability (Estimated)

Limit Positive Stab.: **120.7°**
Stability Index: **124.2**

Owner



| BOAT | | GPH | | HULL | | |
|------------------------|--------------------------------|---------------|---------------|---------------------------|--|---------------|
| Name | BLOSSOM | | 736.0 | Data File | BUL299 LOA 10.750m | |
| Sail Nr | BUL 299 | | | Offset File | DUFOR35.OFF MB 3.458m | |
| | | | | Displacement | 6,290kg Draft 1.897m | |
| CLASS | | | | IMS Division | Cruiser/Racer Dynamic All. 0.635% | |
| Class | DUFOUR 35 CLASSIC | | | Plan Review | Construction | |
| Designer | Michel Dufour | | | Fiber Rigging | No Aramid Core No | |
| Builder | Dufour Yachts | | | Crew Arm Ex | Carbon Rudder No | |
| Series | 04/1972 | | | | Light Stanchions No | |
| Age Date | 01/1977 | | | IMSL | 8.477m VCGD -0.050m Sink 17.74kg/mm | |
| Age Allowance | 0.487% | | | RL | 6.565m VCGM 0.037m WS 25.13m² | |
| COMMENTS | | | | LSM0 | 8.604m Displacement/Length ratio 9.8753 | |
| | | | | Water Ballast | 0 Trim Tab No | |
| | | | | BLR Index | 0.0000 | |
| PROPELLER | | | | CENTERBOARD | | |
| Installation | Shaft non exposed | PRD | 0.350 | N/A | | |
| Type | Solid 3 blades | PBW | 0.150 | | | |
| | | PIPA | 0.0074 | | | |
| SCORING OPTIONS | | | | | | |
| | COASTAL / LONG DISTANCE | | | WINDWARD / LEEWARD | | |
| Time on Distance | 710.7 | | | 791.3 | | |
| Time on Time | 0.8443 | | | 0.8530 | | |
| Triple Number | Low | Medium | High | Low | Medium | High |
| Time on Distance | 868.6 | 645.8 | 563.7 | 1125.0 | 800.1 | 673.9 |
| Time on Time | 0.7771 | 1.0452 | 1.1974 | 0.6000 | 0.8436 | 1.0016 |

2020

ORC Club Certificate Appendix

| BOAT | |
|--------------------|-------------------|
| Name | BLOSSOM |
| Sail Nr | BUL 299 |
| Certificate Number | 032/30 |
| Issued On | 20/05/2020 |

| TIME ALLOWANCES | | | | | | | |
|-------------------------|---------------|---------------|--------------|--------------|--------------|--------------|--------------|
| Wind Velocity | 6 kt | 8 kt | 10 kt | 12 kt | 14 kt | 16 kt | 20 kt |
| Beat VMG | 1221.8 | 1016.3 | 901.0 | 824.1 | 787.4 | 776.8 | 784.5 |
| 52° | 793.2 | 673.5 | 597.3 | 559.1 | 542.2 | 536.6 | 535.8 |
| 60° | 748.3 | 638.0 | 572.3 | 542.7 | 527.5 | 520.4 | 518.0 |
| 75° | 716.7 | 610.0 | 555.2 | 530.0 | 514.0 | 502.3 | 491.6 |
| 90° | 726.7 | 615.6 | 556.6 | 530.1 | 511.6 | 494.8 | 474.4 |
| 110° | 792.4 | 657.3 | 575.1 | 537.8 | 516.1 | 498.0 | 464.9 |
| 120° | 843.8 | 696.2 | 601.9 | 550.3 | 524.2 | 505.0 | 470.1 |
| 135° | 963.5 | 768.8 | 660.0 | 584.0 | 543.5 | 520.4 | 484.4 |
| 150° | 1114.4 | 862.1 | 726.7 | 636.8 | 573.2 | 538.8 | 499.8 |
| Run VMG | 1281.4 | 980.3 | 810.8 | 704.8 | 626.9 | 571.5 | 518.6 |
| Selected Courses | | | | | | | |
| Windward / Leeward | 1251.6 | 998.3 | 855.9 | 764.5 | 707.2 | 674.2 | 651.6 |
| Circular Random | 1034.7 | 827.0 | 712.8 | 644.9 | 603.0 | 576.7 | 548.0 |
| Coastal / Long Distance | 1254.6 | 939.3 | 770.2 | 665.4 | 609.2 | 572.6 | 522.2 |
| Non Spinnaker | 1034.7 | 827.0 | 712.8 | 644.9 | 603.0 | 576.7 | 548.0 |

| 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 | 43.5° | 42.0° | 42.0° | 42.0° | 41.3° | 40.7° | 41.8° |
| Beat VMG | 2.95 | 3.54 | 4.00 | 4.37 | 4.57 | 4.63 | 4.59 |
| 52° | 4.54 | 5.35 | 6.03 | 6.44 | 6.64 | 6.71 | 6.72 |
| 60° | 4.81 | 5.64 | 6.29 | 6.63 | 6.82 | 6.92 | 6.95 |
| 75° | 5.02 | 5.90 | 6.48 | 6.79 | 7.00 | 7.17 | 7.32 |
| 90° | 4.95 | 5.85 | 6.47 | 6.79 | 7.04 | 7.28 | 7.59 |
| 110° | 4.54 | 5.48 | 6.26 | 6.69 | 6.98 | 7.23 | 7.74 |
| 120° | 4.27 | 5.17 | 5.98 | 6.54 | 6.87 | 7.13 | 7.66 |
| 135° | 3.74 | 4.68 | 5.45 | 6.16 | 6.62 | 6.92 | 7.43 |
| 150° | 3.23 | 4.18 | 4.95 | 5.65 | 6.28 | 6.68 | 7.20 |
| Run VMG | 2.81 | 3.67 | 4.44 | 5.11 | 5.74 | 6.30 | 6.94 |
| Gybe Angles | 157.0° | 164.0° | 170.0° | 173.0° | 173.0° | 177.0° | 179.0° |