

| | | |
|---|----------------------------|--|
| BOAT Name Maestro Sail Nr GIB 3300 | GPH 547.3 | HULL Length Overall 13.304m Maximum Beam 4.054m Displacement 9,360kg Draft 2.684m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.062% Fwd Accommodation Yes Hull Construction Cored Carbon Rudder No Crew Arm Extension |
| GENERAL Class XP 44 Designer Niels Jeppesen Builder X-Yachts, Denmark Series 01/2011 Age 07/2012 Age Allowance 0.260% Offset File XP44.OFF - 07/06/2011 20:28:06 Measurement by - 12/04/2019 | | IMSL 12.300m VCGD -0.195m Sink 27.42kg/mm RL 10.982m VCGM -0.169m WS 37.42m² LSM0 12.078m Displacement/Length ratio 5.3124 |



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| SCORING OPTIONS | | | | | | |
|------------------------|--------------------------------|---------------|---------------|---------------------------|---------------|---------------|
| | COASTAL / LONG DISTANCE | | | WINDWARD / LEEWARD | | |
| Time on Distance | 532.9 | | | 599.5 | | |
| Time on Time | 1.1258 | | | 1.1259 | | |
| Triple Number | Low | Medium | High | Low | Medium | High |
| Time on Distance | 620.3 | 485.9 | 438.9 | 801.9 | 600.3 | 532.3 |
| Time on Time | 1.0881 | 1.3891 | 1.5381 | 0.8418 | 1.1245 | 1.2680 |

| TIME ALLOWANCES | | | | | | | |
|------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Wind Velocity | 6 kt | 8 kt | 10 kt | 12 kt | 14 kt | 16 kt | 20 kt |
| Beat VMG | 913.7 | 751.7 | 668.8 | 637.2 | 623.4 | 614.9 | 601.3 |
| 52° | 600.1 | 502.9 | 460.5 | 446.3 | 440.4 | 437.5 | 429.9 |
| 60° | 567.7 | 482.1 | 447.8 | 434.1 | 428.3 | 425.1 | 418.7 |
| 75° | 542.7 | 468.4 | 438.8 | 422.8 | 411.8 | 405.4 | 399.4 |
| 90° | 547.5 | 464.2 | 438.5 | 420.5 | 405.0 | 391.0 | 372.8 |
| 110° | 544.4 | 456.5 | 424.3 | 407.5 | 395.6 | 384.3 | 362.5 |
| 120° | 558.3 | 463.3 | 427.7 | 403.6 | 382.1 | 368.0 | 344.7 |
| 135° | 623.7 | 501.9 | 446.1 | 419.5 | 395.4 | 370.5 | 320.3 |
| 150° | 742.3 | 593.1 | 501.5 | 450.7 | 428.6 | 410.2 | 368.7 |
| Run VMG | 857.1 | 684.8 | 579.1 | 520.1 | 492.7 | 462.2 | 416.7 |

Certificate
Number **3300_8**
ORC Ref **UKR00007807**
Issued On **20/05/2019**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight
Default 901kg
Maximum **790kg**
Minimum* **593kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring
ToD ToT
Non Spin GPH **584.4** **1.0267**
Non Spin OSN **569.7** **1.0532**

| Selected Courses | | | | | | | |
|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Windward / Leeward | 885.4 | 718.3 | 624.0 | 578.7 | 558.0 | 538.6 | 509.0 |
| Circular Random | 747.8 | 605.7 | 531.0 | 488.8 | 463.3 | 446.2 | 421.6 |
| Coastal / Long Distance | 882.6 | 674.7 | 563.9 | 504.5 | 474.2 | 448.0 | 404.1 |
| Non Spinnaker | 816.6 | 654.3 | 566.3 | 514.5 | 482.3 | 460.9 | 432.9 |

Sails Limitations
Headsails **7** | Spinnakers **5**

| 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 | 42.7° | 41.0° | 40.0° | 38.8° | 38.1° | 37.8° | 38.1° |
| Beat VMG | 3.94 | 4.79 | 5.38 | 5.65 | 5.78 | 5.85 | 5.99 |
| 52° | 6.00 | 7.16 | 7.82 | 8.07 | 8.17 | 8.23 | 8.37 |
| 60° | 6.34 | 7.47 | 8.04 | 8.29 | 8.41 | 8.47 | 8.60 |
| 75° | 6.63 | 7.69 | 8.20 | 8.51 | 8.74 | 8.88 | 9.01 |
| 90° | 6.58 | 7.75 | 8.21 | 8.56 | 8.89 | 9.21 | 9.66 |
| 110° | 6.61 | 7.89 | 8.48 | 8.83 | 9.10 | 9.37 | 9.93 |
| 120° | 6.45 | 7.77 | 8.42 | 8.92 | 9.42 | 9.78 | 10.44 |
| 135° | 5.77 | 7.17 | 8.07 | 8.58 | 9.10 | 9.72 | 11.24 |
| 150° | 4.85 | 6.07 | 7.18 | 7.99 | 8.40 | 8.78 | 9.76 |
| Run VMG | 4.20 | 5.26 | 6.22 | 6.92 | 7.31 | 7.79 | 8.64 |
| Gybe Angles | 142.8° | 145.3° | 148.0° | 150.9° | 152.1° | 175.5° | 177.5° |

Class Division Length
CDL = **11.642**

Storm Sails Areas
Heavy Weather Jib **44.91**
Storm Jib (JL=11.86) **16.63**
Storm Trysail **18.85**

Owner

| | |
|-----------------------------|---------------------------------|
| BOAT | |
| Name Maestro | Sail Nr GIB 3300 |
| File GIB3300_Maestro | Data in meters/kilograms |

| | | |
|--|------------------|-----------------------|
| INCLINING TEST AND FREEBOARDS | | |
| Inclining Test Current Inclining | | |
| Flotation date 12/04/2019 | | SG 1.0158 |
| FFM 1.506 | FF 1.518 | SFFP 0.744 |
| FAM 1.202 | FA 1.208 | SAFP 13.259 |
| W1 97.5 | PD1 428.2 | WD 14.960 |
| W2 97.5 | PD2 427.8 | GSA 1.0 |
| W3 97.5 | PD3 428.1 | RSA 1.0 |
| W4 97.5 | PD4 427.9 | PLM 9000.0 |
| LCF from stem on CL / on sheer | | 7.444 / 7.702 |
| Maximum beam station from stem | | 9.119 |
| RM Measured | | 268.4kg-m |
| RM Default | | 267.1kg-m |
| Limit of positive stability / Stab.Index | | 129.2° / 133.9 |
| Freeboard at mast at 5.235 | | 1.350 |



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|--------------------------------|----------------------------|
| RIG | |
| Forestay Tension Aft | Spreaders 2 |
| Inner Stay None Fitted | Runners 0 |
| Carbon Mast Yes | Jumper Struts None |
| Taper Hollows No | Jib Furler No |
| Fiber Rigging No | Main Furler No |
| Lenticular Rigging No | Without Backstay No |
| Articulated Bowsprit No | |
| P 18.100 | E 5.950 |
| IG 18.090 | J 4.950 |
| ISP 19.940 | SFJ 0.285 |
| BAS 1.775 | SPL 0.000 |
| FSP 0.080 | TPS 5.840 |
| MDT1 0.135 | MW 0.260 |
| MDL1 0.260 | GO 0.300 |
| MDT2 0.120 | BD 0.300 |
| MDL2 0.230 | MWT 230.00 |
| TL 1.500 | MCG 6.580 |

| | |
|-----------------------------|--|
| MIZZEN RIG AND SAILS | |
| N/A | |

| | | |
|------------------------------|--------------------|------------------|
| PROPELLER | | |
| Installation Strut | PRD 0.480 | |
| Type Folding 2 blades | PBW 0.160 | |
| Twin Screw No | PIPA 0.0026 | |
| ST1 0.060 | ST3 0.187 | ST5 0.302 |
| ST2 0.187 | ST4 0.081 | EDL 2.775 |

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| Certificate | |
| Number 3300_8 | |
| ORC Ref UKR00007807 | |
| Issued On 20/05/2019 | |
| VPP Ver. 2019 1.01 | |
| Valid until 31/12/2019 | |

| | |
|---|--|
| COMMENTS | |
| DSPW=9163,6 Odessa, Yachting Club Admiral | |

| | |
|------------------------|--|
| MOVABLE BALLAST | |
| N/A | |



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| | |
|--------------------|--|
| CENTERBOARD | |
| N/A | |

| | | | | | | | | | |
|------------------------------|-------|-------|-------|-------|-------|--------|------------------------|--|--|
| SAILS (Maximum Areas) | | | | | | | | | |
| Mainsail | MHB | MUW | MTW | MHW | MQW | Area | Area (r) | Formula | |
| | 0.290 | 1.50 | 2.40 | 3.81 | 4.93 | 64.88 | 66.16 | P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB) | |
| Symmetric Not Available | | | | | | | | | |
| Asymmetric on centerline | SLU | SLE | SL | SHW | SFL | Area | Formula | | |
| | 21.70 | 18.83 | 20.27 | 10.82 | 10.72 | 182.38 | AS · (SFL + 4·SHW) / 6 | | |

| | | | | | | | | | | | | |
|---|------------|------------|------------|------------|------------|------------|-------------|------------|------------|------------------|-----------------|----------------|
| HEADSAILS | | | | | | | | | | | | |
| Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB) | | | | | | | | | | | | |
| HBB | HUW | HTW | HHW | HQW | HLP | HLU | Area | Btn | Fly | Meas.Date | Material | Comment |
| 0.15 | 0.95 | 1.69 | 2.87 | 4.04 | 5.16 | 17.81 | 49.76 | Y | | 05/04/2019 | Carbon | |
| 0.12 | 0.86 | 1.58 | 2.79 | 3.99 | 5.15 | 17.72 | 48.42 | Y | | 25/04/2019 | Carbon | |
| 0.08 | 0.62 | 1.20 | 2.41 | 3.69 | 5.03 | 17.35 | 42.80 | Y | | 25/04/2019 | Carbon | |
| 0.11 | | | | | 4.70 | 16.41 | 39.38 | Y | | 25/04/2019 | Carbon | |
| | | | 1.44 | | 3.20 | 9.68 | 15.35 | N | N | 30/06/2017 | Carbon | |

| | | | | |
|--------------------------------------|-------------|---------------|--------------------|------------------------|
| MEASUREMENT INVENTORY | | | | |
| Measurer | | | | |
| Date 12/04/2019 | | | | |
| Comment Check inventory items | | | | |
| <i>Id</i> | <i>Item</i> | <i>Weight</i> | <i>Distance</i> | <i>VCG Description</i> |
| Anc | Anchor | 15.4 | 8.50 | |
| Anc | Anchor | 9.4 | 8.50 | |
| Ch_ | Chain | 42.7 | 8.50 | |
| Ch_ | Chain | 8.6 | 8.50 | |
| SaS | Tools | 63.0 | 6.20 | 0.00 Sailor Services |
| <i>Id</i> | <i>Item</i> | <i>Maker</i> | <i>Model</i> | |
| 1 | Engine | Yanmar | 4GH4AE | |
| <i>Id</i> | <i>Item</i> | <i>Weight</i> | <i>Description</i> | |

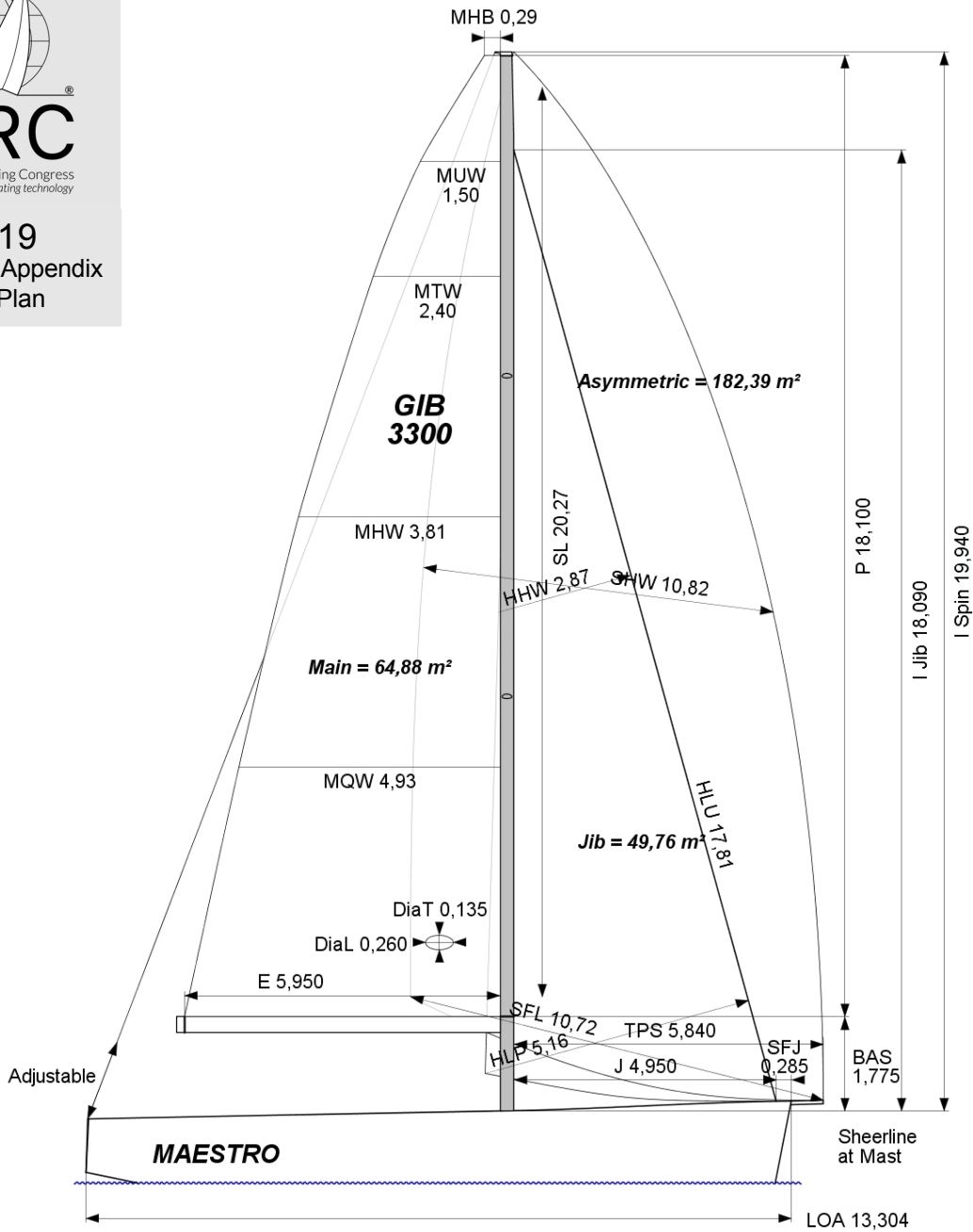
| | | | | | | | |
|------------------------------|-------------|-----------------|------------------|---------------|--------------------|------------|---------------------------|
| MEASUREMENT INVENTORY | | | | | | | |
| <i>Id</i> | <i>Item</i> | <i>Tank Use</i> | <i>Tank Type</i> | <i>Capcty</i> | <i>Dist.</i> | <i>VCG</i> | <i>Condtn Description</i> |
| 1 | Tank fuel | | steel | 200.0 | 6.20 | | 43.0 |
| 2 | Tank water | | plastic | 350.0 | 6.93 | | 0.0 |
| <i>Id</i> | <i>Item</i> | <i>Weight</i> | <i>Distance</i> | <i>VCG</i> | <i>Description</i> | | |
| 1 | Battery | 15.0 | 5.73 | | 40 ah | | |
| 2 | Battery | 45.0 | 5.75 | | 110 ah | | |
| 3 | Battery | 45.0 | 5.75 | | 110 ah | | |



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Sail Plan



| SAILS INVENTORY | | | | | | | | | | | | | | | | |
|---------------------------|-------|-------|-------|-------|-------|--------|----------|------------|-------------|-------------|----------|----------|------------|-------------|----------|---------|
| MAINSAIL (1) | | | | | | | | | | | | | | | | |
| Id | MHB | MUW | MTW | MHW | MQW | Area | Measurer | Meas.Date | Manufacture | Material | Comment | | | | | |
| M3 | 0.29 | 1.50 | 2.40 | 3.81 | 4.93 | 64.88 | | 25/04/2019 | UK | Carbon | | | | | | |
| HEADSAILS (5) | | | | | | | | | | | | | | | | |
| Id | HHB | HUW | HTW | HHW | HQW | HLP | HLU | Ovrlp | Area | Btn | Fly | Measurer | Meas.Date | Manufacture | Material | Comment |
| J1_UK | 0.15 | 0.95 | 1.69 | 2.87 | 4.04 | 5.16 | 17.81 | 104% | 49.76 | Y | | | 05/04/2019 | Uk | Carbon | |
| J2_UK | 0.12 | 0.86 | 1.58 | 2.79 | 3.99 | 5.15 | 17.72 | 104% | 48.42 | Y | | | 25/04/2019 | Uk | Carbon | |
| J3_UK | 0.08 | 0.62 | 1.20 | 2.41 | 3.69 | 5.03 | 17.35 | 102% | 42.80 | Y | | | 25/04/2019 | Uk | Carbon | |
| J4 | 0.11 | | | | | 4.70 | 16.41 | 95% | 39.38 | Y | | | 25/04/2019 | Bank Sail | Carbon | |
| J-Storm | | | | 1.44 | | 3.20 | 9.68 | 65% | 15.35 | N | N | | 30/06/2017 | Bank Sail | Carbon | |
| SYMMETRIC SPINNAKERS (0) | | | | | | | | | | | | | | | | |
| Id | SLU | SLE | SL | SHW | SFL | Area | Measurer | Meas.Date | Manufacture | Material | Comment | | | | | |
| | | | | | | | | | | | | | | | | |
| ASYMMETRIC SPINNAKERS (5) | | | | | | | | | | | | | | | | |
| Id | SLU | SLE | SL | SHW | SFL | Area | Kind | Measurer | Meas.Date | Manufacture | Material | Comment | | | | |
| A1 | 21.70 | 18.83 | 20.27 | 10.82 | 10.72 | 182.39 | asym | | 25/04/2019 | UK | Unknown | | | | | |
| A2 | 21.24 | 18.22 | 19.73 | 11.07 | 10.03 | 178.59 | asym | | 25/04/2019 | UK | Unknown | | | | | |
| A1,5 | 20.85 | 18.65 | 19.75 | 10.89 | 10.33 | 177.39 | asym | | 25/04/2019 | Bank Sail | Unknown | | | | | |
| A3 | 21.00 | 18.48 | 19.74 | 9.71 | 10.14 | 161.15 | asym | | 25/04/2019 | Uk | Unknown | | | | | |
| A0 | 19.43 | 17.63 | 18.53 | 7.77 | 10.25 | 127.65 | asym | | 25/04/2019 | UK | Carbon | | | | | |