

| | | |
|--|----------------------------|--|
| BOAT Name BAXIMUS Sail Nr GRE-74 | GPH 603.6 | HULL Length Overall 10.600m Maximum Beam 3.250m Displacement 4,609kg Draft 2.180m IMS Reg. Division Performance Dynamic Allowance 0.000% Fwd Accommodation Yes Hull Construction Cored Carbon Rudder No Crew Arm Extension |
| GENERAL Class X-35 OD Designer JEPPESEN Builder X YACHTS Series 09/2005 Age 09/2006 Age Allowance 0.455% Offset File x35.od.off - 29/01/2015 16:31:16 Measurement by - 09/07/2007 | | IMSL 9.498m VCGD 0.007m Sink 17.75kg/mm RL 9.180m VCGM -0.010m WS 23.17m² LSM0 9.329m Displacement/Length ratio 5.6768 |



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| SCORING OPTIONS | | | | | | |
|------------------------|--------------------------------|---------------|---------------|---------------------------|---------------|---------------|
| | COASTAL / LONG DISTANCE | | | WINDWARD / LEEWARD | | |
| Time on Distance | 588.0 | | | 654.0 | | |
| Time on Time | 1.0204 | | | 1.0321 | | |
| Triple Number | Low | Medium | High | Low | Medium | High |
| Time on Distance | 680.0 | 538.0 | 484.6 | 874.0 | 655.6 | 577.6 |
| Time on Time | 0.9926 | 1.2547 | 1.3930 | 0.7723 | 1.0296 | 1.1687 |

| TIME ALLOWANCES | | | | | | | |
|------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Wind Velocity | 6 kt | 8 kt | 10 kt | 12 kt | 14 kt | 16 kt | 20 kt |
| Beat VMG | 977.1 | 810.5 | 724.4 | 696.9 | 686.3 | 678.1 | 670.6 |
| 52° | 646.0 | 548.6 | 510.9 | 499.1 | 494.3 | 492.0 | 484.7 |
| 60° | 613.2 | 530.9 | 499.8 | 486.8 | 481.4 | 478.5 | 469.9 |
| 75° | 588.3 | 519.3 | 491.3 | 473.3 | 461.3 | 455.3 | 449.9 |
| 90° | 593.9 | 519.6 | 489.2 | 470.1 | 451.0 | 435.6 | 420.2 |
| 110° | 607.0 | 514.6 | 479.3 | 453.2 | 435.8 | 423.3 | 403.2 |
| 120° | 625.2 | 523.6 | 484.7 | 455.8 | 428.3 | 406.4 | 380.4 |
| 135° | 693.1 | 565.1 | 505.8 | 475.9 | 448.1 | 421.0 | 365.5 |
| 150° | 822.2 | 657.5 | 558.1 | 505.5 | 477.4 | 451.6 | 401.7 |
| Run VMG | 949.4 | 759.2 | 643.5 | 571.5 | 520.3 | 488.4 | 439.0 |

Certificate

Number **000121**
ORC Ref **GRE01015382**
Issued On **09/04/2019**
VPP Ver. **2019 1.01**
Valid until **28/02/2020**

Crew Weight

Default **623kg**
Maximum **650kg**
Minimum* **488kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

| | | |
|--------------|--------------|---------------|
| | ToD | ToT |
| Non Spin GPH | 633.3 | 0.9474 |
| Non Spin OSN | 616.1 | 0.9739 |

| Selected Courses | | | | | | | |
|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Windward / Leeward | 963.3 | 784.9 | 683.9 | 634.2 | 603.3 | 583.2 | 554.8 |
| Circular Random | 820.2 | 666.9 | 586.2 | 540.2 | 512.0 | 493.1 | 466.9 |
| Coastal / Long Distance | 961.9 | 739.5 | 621.4 | 559.0 | 523.8 | 494.5 | 447.7 |
| Non Spinnaker | 873.8 | 704.6 | 614.2 | 561.9 | 529.8 | 508.5 | 480.3 |

Sails Limitations

| | |
|-----------|------------|
| Headsails | Spinnakers |
| 5 | 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 | 42.1° | 40.8° | 39.0° | 37.7° | 37.6° | 37.1° | 37.6° |
| Beat VMG | 3.68 | 4.44 | 4.97 | 5.17 | 5.25 | 5.31 | 5.37 |
| 52° | 5.57 | 6.56 | 7.05 | 7.21 | 7.28 | 7.32 | 7.43 |
| 60° | 5.87 | 6.78 | 7.20 | 7.40 | 7.48 | 7.52 | 7.66 |
| 75° | 6.12 | 6.93 | 7.33 | 7.61 | 7.80 | 7.91 | 8.00 |
| 90° | 6.06 | 6.93 | 7.36 | 7.66 | 7.98 | 8.26 | 8.57 |
| 110° | 5.93 | 7.00 | 7.51 | 7.94 | 8.26 | 8.50 | 8.93 |
| 120° | 5.76 | 6.87 | 7.43 | 7.90 | 8.40 | 8.86 | 9.46 |
| 135° | 5.19 | 6.37 | 7.12 | 7.57 | 8.03 | 8.55 | 9.85 |
| 150° | 4.38 | 5.48 | 6.45 | 7.12 | 7.54 | 7.97 | 8.96 |
| Run VMG | 3.79 | 4.74 | 5.59 | 6.30 | 6.92 | 7.37 | 8.20 |
| Gybe Angles | 142.3° | 148.4° | 151.4° | 158.9° | 180.0° | 180.0° | 180.0° |

Class Division Length

CDL = 9.340

Storm Sails Areas

Heavy Weather Jib **28.66**
Storm Jib (JL=9.48) **10.62**
Storm Trysail **12.22**

Owner

| | |
|---------------------|---------------------------------|
| BOAT | |
| Name BAXIMUS | Sail Nr GRE-74 |
| File GR74X | Data in meters/kilograms |

| | | | | | |
|--|--------------|-----|--------------|-----------------------|---------------|
| INCLINING TEST AND FREEBOARDS | | | | | |
| Inclining Test Current Inclining | | | | | |
| Flotation date 20/05/2016 | | | | SG 1.0255 | |
| FFM | 1.313 | FF | 1.313 | SFFP | 0.075 |
| FAM | 0.977 | FA | 0.978 | SAFP | 10.275 |
| W1 | 76.0 | PD1 | 256.0 | WD | 10.940 |
| W2 | 76.0 | PD2 | 256.0 | GSA | 50.2 |
| W3 | 76.0 | PD3 | 256.0 | RSA | 5941.7 |
| W4 | 76.0 | PD4 | 256.0 | PLM | 2069.0 |
| LCF from stem on CL / on sheer | | | | 5.974 / 6.170 | |
| Maximum beam station from stem | | | | 7.300 | |
| RM Measured | | | | 116.6kg-m | |
| RM Default | | | | 122.8kg-m | |
| Limit of positive stability / Stab.Index | | | | 119.0° / 120.1 | |
| Freeboard at mast at 4.185 | | | | 1.100 | |



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|----------------------|--------------------|------------------|--------------|-------------|---------------|
| RIG | | | | | |
| Forestay Tension | Aft | Spreaders | | 2 | |
| Inner Stay | None Fitted | Runners | | 0 | |
| Carbon Mast | No | 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 | 14.240 | E | 4.900 | MDT1 | 0.125 |
| IG | 14.500 | J | 4.185 | MDL1 | 0.185 |
| ISP | 14.530 | SFJ | | MDT2 | 0.122 |
| BAS | 1.745 | SPL | 4.180 | MDL2 | 0.140 |
| FSP | 0.068 | TPS | | MWT | 156.00 |
| | | | | TL | 1.230 |
| | | | | MW | 0.184 |
| | | | | GO | 0.204 |
| | | | | BD | 0.220 |
| | | | | MCG | 4.600 |

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|--------------------|--------------------|
| Certificate | |
| Number | 000121 |
| ORC Ref | GRE01015382 |
| Issued On | 09/04/2019 |
| VPP Ver. | 2019 1.01 |
| Valid until | 28/02/2020 |

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

| | | | |
|------------------|-------------------------|------|---------------|
| PROPELLER | | | |
| Installation | Strut | PRD | 0.420 |
| Type | Folding 2 blades | PBW | 0.128 |
| Twin Screw | No | PIPA | 0.0033 |
| ST1 | 0.042 | ST3 | 0.182 |
| ST2 | 0.178 | ST4 | 0.112 |
| | | ST5 | 0.255 |
| | | EDL | 2.390 |

| | |
|-----------------|--|
| COMMENTS | |
| | |

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



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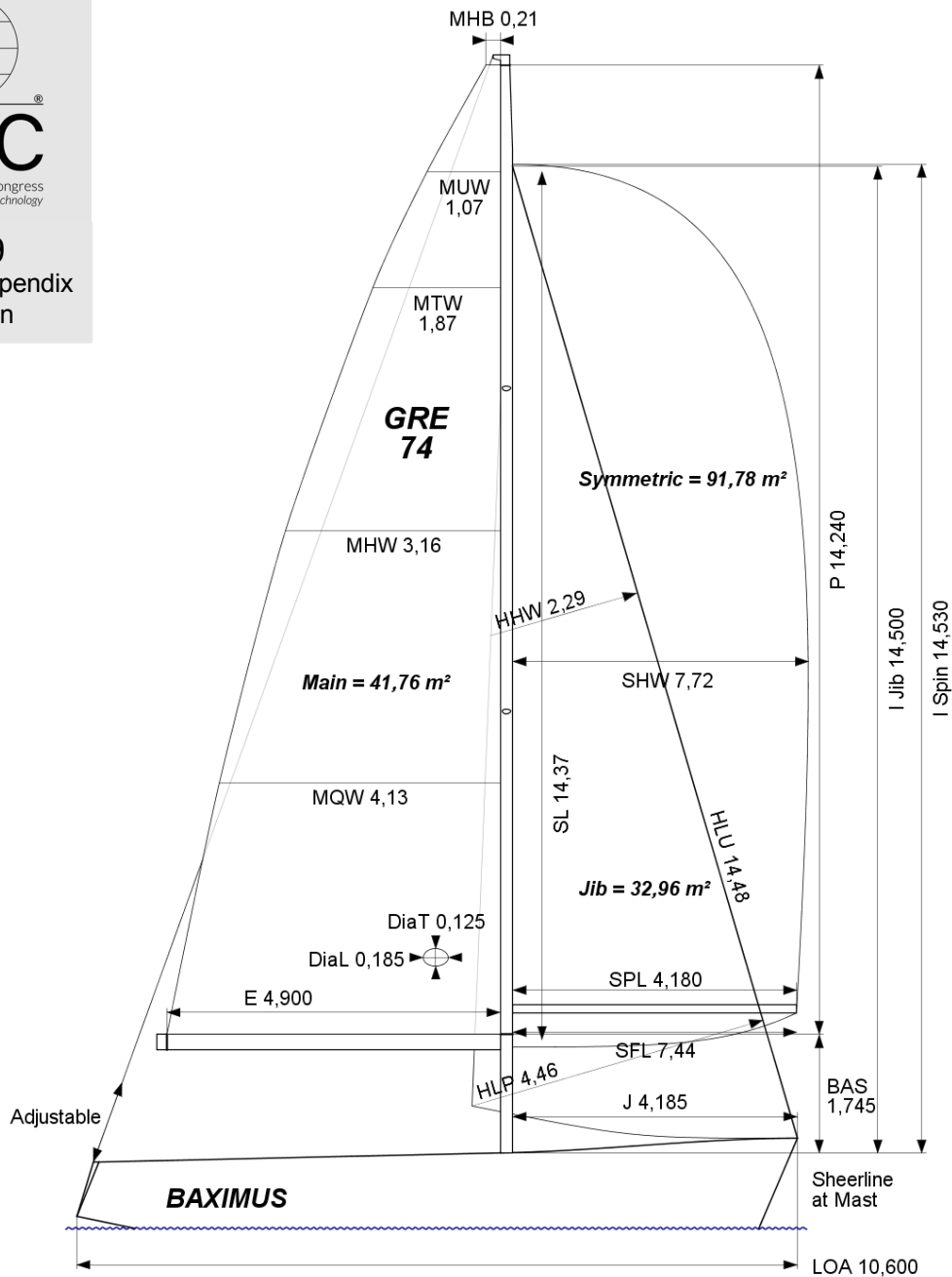
| | |
|--------------------|--|
| CENTERBOARD | |
| N/A | |

| | | | | | | | | | |
|------------------------------|---------------|-------|-------|------|------|-------|----------|---|--|
| SAILS (Maximum Areas) | | | | | | | | | |
| Mainsail | MHB | MUW | MTW | MHW | MQW | Area | Area (r) | Formula | |
| | 0.210 | 1.07 | 1.87 | 3.16 | 4.13 | 41.76 | 42.60 | P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB) | |
| Symmetric | SLU | SLE | SL | SHW | SFL | | | | |
| | 14.37 | 14.37 | 14.37 | 7.72 | 7.44 | 91.78 | | SL · (SFL + 4·SHW) / 6 | |
| Asymmetric | Not Available | | | | | | | | |

| | | | | | | | | | | | | |
|---|------|------|------|------|------|-------|-------|-----|-----|------------|----------|--------------|
| 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 |
| 0.11 | 0.64 | 1.21 | 2.29 | 3.35 | 4.46 | 14.48 | 32.96 | Y | | 19/08/2017 | Carbon | Light/Medium |
| 0.10 | 0.65 | 1.22 | 2.29 | 3.33 | 4.45 | 14.37 | 32.66 | Y | | 17/05/2016 | Carbon | Medium |
| 0.10 | 0.61 | 1.18 | 2.24 | 3.30 | 4.37 | 14.30 | 31.89 | Y | | 31/07/2014 | Carbon | Light Medium |
| 0.09 | 0.51 | 0.99 | 1.94 | 2.91 | 3.88 | 14.31 | 27.93 | Y | | 29/07/2014 | Carbon | Heavy |

| | | | | |
|------------------------------|-------------------|--------------------|----------|-----------------|
| MEASUREMENT INVENTORY | | | | |
| Measurer | GRE-16 | | | |
| Date | 20/05/2016 | | | |
| Comment | | | | |
| Id | Item | Weight | Distance | VCG Description |
| Id | Item | Maker | Model | |
| 1 | Engine | YANMAR | 3YM20 | |
| Id | Item | Weight Description | | |

| | | | | | | | | | |
|------------------------------|---------|----------|-----------|-----------------|-------|-------|--------|-------------------|--|
| MEASUREMENT INVENTORY | | | | | | | | | |
| Id | Item | Tank Use | Tank Type | Capcty | Dist. | VCG | Condtn | Description | |
| 2 | Tank | water | plastic | 120.0 | 5.50 | | | 0-0 empty | |
| 1 | Tank | diesel | inox | 60.0 | 6.20 | -0.20 | | 10-0 almost empty | |
| Id | Item | Weight | Distance | VCG Description | | | | | |
| 4 | Ballast | 28.0 | 6.65 | -0.40 | | | | | |
| 3 | Ballast | 65.0 | 6.05 | -0.40 | | | | | |
| 2 | Ballast | 123.0 | 5.45 | -0.40 | | | | | |
| 1 | Ballast | 51.0 | 4.85 | -0.40 | | | | | |
| 3 | Battery | 13.0 | 5.55 | 44Ah | | | | | |
| 2 | Battery | 20.0 | 5.20 | 75Ah | | | | | |
| 1 | Battery | 30.0 | 4.90 | 120Ah | | | | | |



SAILS INVENTORY

| MAINSAIL (4) | | | | | | | | | | | | | | | | |
|---------------------------|-------|-------|-------|------|------|-------|----------|------------|-------------|-------------|----------|----------|------------|-------------|----------|--------------|
| Id | MHB | MUW | MTW | MHW | MQW | Area | Measurer | Meas.Date | Manufacture | Material | Comment | | | | | |
| 1 | 0.21 | 1.07 | 1.87 | 3.16 | 4.13 | 41.76 | | 30/03/2019 | Quantum | Carbon | | | | | | |
| M1 | 0.20 | 1.06 | 1.86 | 3.17 | 4.12 | 41.71 | | 24/05/2016 | QUANTUM | Carbon | | | | | | |
| HEADSAILS (4) | | | | | | | | | | | | | | | | |
| Id | HHB | HUW | HTW | HHW | HQW | HLP | HLU | Ovrlp | Area | Btn | Fly | Measurer | Meas.Date | Manufacture | Material | Comment |
| J1 | 0.11 | 0.64 | 1.21 | 2.29 | 3.35 | 4.46 | 14.48 | 107% | 32.96 | Y | | | 19/08/2017 | Quantum | Carbon | Light/Medium |
| H2 | 0.10 | 0.65 | 1.22 | 2.29 | 3.33 | 4.45 | 14.37 | 106% | 32.66 | Y | | | 17/05/2016 | Quantum | Carbon | Medium |
| H3 | 0.10 | 0.61 | 1.18 | 2.24 | 3.30 | 4.37 | 14.30 | 104% | 31.89 | Y | | | 31/07/2014 | NorthSails | Carbon | Light Medium |
| J3 | 0.09 | 0.51 | 0.99 | 1.94 | 2.91 | 3.88 | 14.31 | 93% | 27.93 | Y | | | 29/07/2014 | Sailloft | Carbon | Heavy |
| SYMMETRIC SPINNAKERS (4) | | | | | | | | | | | | | | | | |
| Id | SLU | SLE | SL | SHW | SFL | Area | Measurer | Meas.Date | Manufacture | Material | Comment | | | | | |
| S-1.5 | 14.38 | 14.35 | 14.37 | 7.72 | 7.44 | 91.75 | | 24/05/2016 | NorthSails | Nylon | 0.5 | | | | | |
| S-2 | 14.20 | 14.20 | 14.20 | 7.71 | 7.37 | 90.44 | | 17/05/2016 | NorthSails | Nylon | 0.75 | | | | | |
| S-1 | 14.24 | 14.24 | 14.24 | 7.66 | 7.37 | 90.22 | | 17/05/2016 | NorthSails | Nylon | 0.5 | | | | | |
| 3 | 13.72 | 13.72 | 13.72 | 7.22 | 6.91 | 81.84 | | 09/07/2007 | Sailloft | Nylon | 0.9 | | | | | |
| ASYMMETRIC SPINNAKERS (0) | | | | | | | | | | | | | | | | |
| Id | SLU | SLE | SL | SHW | SFL | Area | Kind | Measurer | Meas.Date | Manufacture | Material | Comment | | | | |