

APH ToD: **401.0** CDL: **15.156**

APH ToT: **1.4964** CertNo: **109/5**

#### BOAT

Class **TP52 - ONE OFF**  
Designer **Bruce Farr**  
Builder **Southern Marine**  
Age date **05/2003**  
Series date **05/2003**  
Offset file **6214off.OFF**  
Data file **SLO878**

#### HULL

Length Overall **15.840 m**  
Maximum Beam **4.224 m**  
Draft **3.191 m**  
Displacement **7,458 kg**  
DLR **2.2313**  
IMS Division **Performance**  
Dynamic Allowance **0.000%**  
Age Allowance **0.487%**

#### PROPELLER

Installation **Strut**  
Type **Folding 2 blades**  
Diameter **0.420m**

#### CREW

Maximum weight **1,290 kg** (declared)  
Minimum weight **1,097 kg** \* when applied  
Non Manual Power **No**  
Crew Arm Extension

#### SAIL AREAS (m²)

|                 | Measured      | Rated         |
|-----------------|---------------|---------------|
| Mainsail        | <b>97.13</b>  | <b>99.99</b>  |
| Headsail Luffed | <b>63.27</b>  | <b>63.27</b>  |
| Headsail Flying |               |               |
| Symmetric       |               |               |
| Asymmetric      | <b>267.49</b> | <b>267.49</b> |

(All asymmetric spinnakers with SHW/SFL > 85%)

#### STORM SAIL AREAS (m²)

Trysail **25.09**  
Storm Jib **19.77**  
Heavy Weather Jib **53.36**

#### SAIL LIMITS

Headsails **8**  
Spinnakers **6**

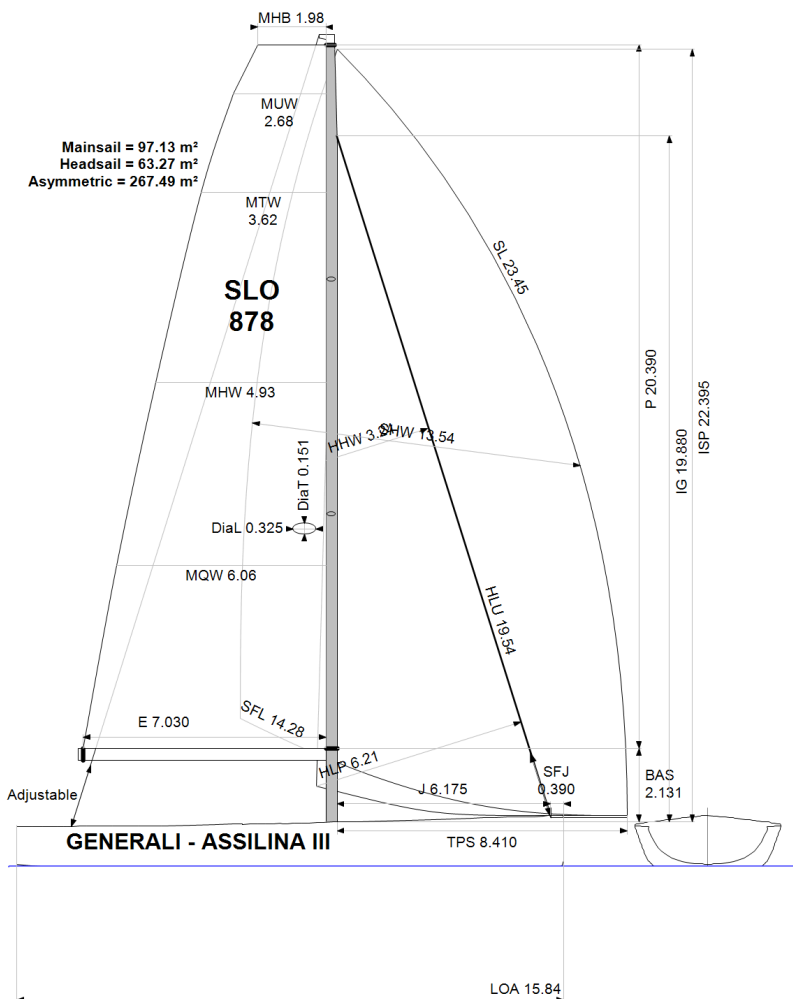
#### STABILITY

Righting Moment **377.7 kg·m**  
Stability Index **138.3**

#### COMMENTS

Forward freeboards to be measured at the centre of bowsprit bolts and then corrected for: Port: add 37 mm, Stbd: add 53 mm

The owner and any other person in charge is responsible that boat is complying with her certificate in accordance with RRS 78.1 and ORC Rule 304.



#### Rated boat velocities in knots

| Wind Velocity | 4 kt   | 6 kt   | 8 kt   | 10 kt  | 12 kt  | 14 kt  | 16 kt  | 20 kt  | 24 kt  |
|---------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Beat Angles   | 43.6°  | 43.6°  | 40.8°  | 39.3°  | 38.8°  | 38.2°  | 37.8°  | 37.7°  | 38.6°  |
| Beat VMG      | 3.62   | 4.95   | 5.89   | 6.33   | 6.60   | 6.78   | 6.91   | 7.01   | 6.92   |
| 52°           | 5.73   | 7.59   | 8.73   | 9.18   | 9.46   | 9.66   | 9.84   | 10.07  | 10.04  |
| 60°           | 6.19   | 8.05   | 9.10   | 9.54   | 9.87   | 10.12  | 10.33  | 10.62  | 10.66  |
| 75°           | 6.53   | 8.39   | 9.43   | 10.07  | 10.50  | 10.85  | 11.14  | 11.59  | 11.83  |
| 90°           | 6.42   | 8.27   | 9.35   | 10.22  | 10.94  | 11.45  | 11.90  | 12.67  | 13.22  |
| 110°          | 5.75   | 7.80   | 9.24   | 10.03  | 10.70  | 11.38  | 12.39  | 14.01  | 15.17  |
| 120°          | 5.56   | 7.62   | 9.20   | 10.29  | 11.11  | 11.88  | 12.63  | 14.09  | 15.77  |
| 135°          | 4.74   | 6.88   | 8.70   | 9.83   | 11.02  | 12.34  | 13.58  | 15.50  | 17.38  |
| 150°          | 3.94   | 5.73   | 7.36   | 8.63   | 9.63   | 10.67  | 11.99  | 15.05  | 18.68  |
| Run VMG       | 3.41   | 4.96   | 6.37   | 7.47   | 8.34   | 9.24   | 10.38  | 13.03  | 16.18  |
| Gybe Angles   | 140.5° | 140.5° | 141.1° | 146.3° | 151.0° | 146.0° | 144.4° | 145.8° | 149.3° |



International Certificate  
2025

Generali - Assilina  
III  
SLO 878

Jadralna zveza Slovenije  
Slovenian Sailing Federation  
Obala 6b, 6320 Portorož  
Slovenija



| Time Allowances in secs/NM |        |       |       |       |       |       |       |       |       |
|----------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| Wind Velocity              | 4 kt   | 6 kt  | 8 kt  | 10 kt | 12 kt | 14 kt | 16 kt | 20 kt | 24 kt |
| Beat VMG                   | 993.6  | 728.0 | 611.4 | 568.4 | 545.8 | 531.2 | 521.2 | 513.3 | 520.1 |
| 52°                        | 628.0  | 474.6 | 412.4 | 392.2 | 380.7 | 372.6 | 365.8 | 357.5 | 358.6 |
| 60°                        | 582.0  | 447.4 | 395.5 | 377.2 | 364.9 | 355.7 | 348.4 | 339.1 | 337.6 |
| 75°                        | 551.6  | 429.1 | 382.0 | 357.4 | 342.8 | 331.9 | 323.1 | 310.6 | 304.4 |
| 90°                        | 560.7  | 435.3 | 384.9 | 352.2 | 329.1 | 314.4 | 302.4 | 284.2 | 272.3 |
| 110°                       | 626.2  | 461.8 | 389.7 | 358.9 | 336.5 | 316.4 | 290.5 | 257.0 | 237.3 |
| 120°                       | 647.9  | 472.4 | 391.5 | 350.0 | 323.9 | 303.1 | 284.9 | 255.4 | 228.4 |
| 135°                       | 759.3  | 523.4 | 413.7 | 366.2 | 326.6 | 291.8 | 265.0 | 232.2 | 207.2 |
| 150°                       | 914.8  | 628.1 | 489.1 | 417.2 | 373.9 | 337.4 | 300.3 | 239.2 | 192.7 |
| Run VMG                    | 1056.4 | 725.3 | 564.8 | 481.7 | 431.5 | 389.6 | 346.8 | 276.2 | 222.5 |
| Selected Courses           |        |       |       |       |       |       |       |       |       |
| Windward / Leeward         | 1023.5 | 726.6 | 588.1 | 525.0 | 488.6 | 460.4 | 434.0 | 394.7 | 371.3 |
| All purpose                | 763.7  | 555.9 | 461.6 | 418.7 | 392.0 | 371.1 | 352.0 | 324.9 | 308.9 |

| Single Number Scoring Options |                  |              |
|-------------------------------|------------------|--------------|
| Course                        | Time On Distance | Time On Time |
| Windward / Leeward            | 502.0            | 1.1953       |
| All purpose                   | 401.0            | 1.4964       |

### Custom scoring options for Slovenia

| Scoring Option                             | Time On Time |
|--------------------------------------------|--------------|
| Triple Number Coastal/Long Distance Low    | 1.1794       |
| Triple Number Coastal/Long Distance Medium | 1.4944       |
| Triple Number Coastal/Long Distance High   | 1.7310       |
| Triple Number Windward/Leeward Low         | 0.9127       |
| Triple Number Windward/Leeward Medium      | 1.1952       |
| Triple Number Windward/Leeward High        | 1.4089       |



International Certificate  
2025

Generali - Assilina  
III  
SLO 878

Jadralna zveza Slovenije  
Slovenian Sailing Federation  
Obala 6b, 6320 Portorož  
Slovenija



Data in meters/kilograms (Metric)

#### HULL AND APPENDAGES (Lightship Trim)

|                   |                |              |        |                                |        |
|-------------------|----------------|--------------|--------|--------------------------------|--------|
| Class             | TP52 - ONE OFF | LOA          | 15.840 | VCGD                           | -0.860 |
| Measurement       | 28/06/2011     | Max. Beam    | 4.224  | VCGM                           | -0.835 |
| HIN               |                | Draft        | 3.191  | RM Rated (kg·m)                | 377.7  |
| Plan review       |                | Displacement | 7,458  | Limit of positive stability(°) | 138.0  |
| Hull construction | Carbon         | Wetted area  | 41.21  | Stability Index                | 138.3  |
| Carbon rudder     | Yes            | IMS L        | 15.341 | Default crew weight            | 1,222  |
| Light stanchions  | No             | LSM0         | 14.950 | Declared crew weight           | 1,290  |
| Trim tab          | No             | Acc. length  | 13.728 |                                |        |
|                   |                | Sink (kg/mm) | 32.46  |                                |        |

#### PROPELLER

|                 |                  |      |        |     |       |
|-----------------|------------------|------|--------|-----|-------|
| Propeller Type  | Folding 2 blades |      |        |     |       |
| Installation    | Strut            | PRD  | 0.420  | EDL | 1.730 |
| Twin screw      | No               | PBW  | 0.112  | ST1 | 0.043 |
| Hydro generator | No               | PIPA | 0.0038 | ST2 | 0.180 |
|                 |                  |      |        | ST3 | 0.180 |
|                 |                  |      |        | ST4 | 0.112 |
|                 |                  |      |        | ST5 | 0.290 |

#### RIG

|                        |               |      |        |     |        |
|------------------------|---------------|------|--------|-----|--------|
| Forestay tension       | Aft & Forward | P    | 20.390 | E   | 7.030  |
| Inner stay             | None Fitted   | IG   | 19.880 | J   | 6.175  |
| Mast material          | Carbon        | ISP  | 22.395 | BAS | 2.131  |
| Single headsail furler | No            | MDT1 | 0.151  | FSD | 0.037  |
| Mainsail furler        | No            | MDL1 | 0.325  | SFJ | 0.390  |
| Articulated bowsprit   | No            | MDT2 | 0.136  | SPL |        |
| Non-circular rigging   | No            | MDL2 | 0.245  | WPL |        |
| Fiber rigging          | No            | TL   | 2.950  | TPS | 8.410  |
| Adjustable mast foot   | No            | MW   | 0.325  | BD  | 0.352  |
| Running backstays      | 0             | GO   | 0.325  | MWT | 320.00 |
| Checkstays             |               |      |        | MCG | 7.810  |
| Spreaders              | 2             |      |        |     |        |
| Rotating mast          | No            |      |        |     |        |

#### FLOTATION AND STABILITY

|                    |                |       |        |       |        |      |       |     |       |     |         |
|--------------------|----------------|-------|--------|-------|--------|------|-------|-----|-------|-----|---------|
| Calculation method | Boom inclining | SFFP  | 0.457  | SAFP  | 14.261 | W1   | 153.8 | PD1 | 222.1 | WD  | 7.000   |
| Flotation Date     | 25/04/2019     | FFM   | 1.478  | FAM   | 1.165  | W2   | 153.8 | PD2 | 224.5 | PLM | 9000.00 |
| Measurer           | CRO03, SLO03   | FF    | 1.477  | FA    | 1.171  | W3   | 153.8 | PD3 | 225.5 | GSA | 1.0     |
| Comment            | Portorož       | LCFcl | 8.663  | LCFsh | 8.897  | W4   | 153.8 | PD4 | 226.0 | RSA | 1.0     |
|                    |                | SG    | 1.0230 | HBI   | 1.293  | LCFD |       |     |       | RM  | 377.6   |

#### INVENTORY

| BALLAST             | <i>Id</i>        | <i>Kind</i>        | <i>Description</i>   | <i>Weight</i>  | <i>LCG</i>      | <i>VCG</i>       | <i>TCG</i> |            |
|---------------------|------------------|--------------------|----------------------|----------------|-----------------|------------------|------------|------------|
|                     | N1               | Fixed              | NONE                 |                |                 |                  |            |            |
| Fixed Ballast Total |                  |                    |                      | 0              |                 |                  |            |            |
| TANKS               | <i>Id</i>        | <i>Description</i> |                      | <i>Sp.Wght</i> | <i>Capacity</i> | <i>Condition</i> | <i>LCG</i> | <i>VCG</i> |
|                     | F1               | FUEL ALU           |                      | 0.9000         | 100             | 80               | 11.30      |            |
|                     | W1               | WATER CARBON       |                      |                | 70              | 0                | 7.30       |            |
| Total deductible    |                  |                    |                      |                |                 | 72               | 11.30      |            |
| OTHER ITEMS         | <i>Id</i>        | <i>Kind</i>        | <i>Description</i>   | <i>Weight</i>  |                 | <i>LCG</i>       | <i>VCG</i> |            |
|                     | B1               |                    | Battery 1 X 75 Ah    |                |                 | 9.30             |            |            |
|                     | B2               |                    | Battery 2 X 120 Ah   |                |                 | 9.30             |            |            |
|                     | E1               |                    | Engine YANMAR 4GJH3E |                |                 |                  |            |            |
|                     | Total deductible |                    |                      |                |                 |                  |            |            |



International Certificate  
2025

Generali - Assilina  
III  
SLO 878

Jadralna zveza Slovenije  
Slovenian Sailing Federation  
Obala 6b, 6320 Portorož  
Slovenija



#### MAINSAIL

| <i><b>Id</b></i> | <i><b>MHB</b></i> | <i><b>MUW</b></i> | <i><b>MTW</b></i> | <i><b>MHW</b></i> | <i><b>MQW</b></i> | <i><b>Area</b></i> | <i><b>Meas.Date</b></i> | <i><b>Comment</b></i> |
|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|-------------------------|-----------------------|
| MN2E             | 1.98              | 2.68              | 3.62              | 4.93              | 6.06              | 97.13              | 22/04/2024              |                       |
| M2               | 1.96              | 2.66              | 3.53              | 4.92              | 6.09              | 96.81              | 30/03/2019              |                       |

#### HEADSAIL

| <i><b>Id</b></i> | <i><b>HJB</b></i> | <i><b>HUW</b></i> | <i><b>HTW</b></i> | <i><b>HHW</b></i> | <i><b>HQW</b></i> | <i><b>HLP</b></i> | <i><b>HLU</b></i> | <i><b>Btn</b></i> | <i><b>Flying FT</b></i> | <i><b>Area</b></i> | <i><b>Meas.Date</b></i> | <i><b>Comment</b></i> |
|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------------|--------------------|-------------------------|-----------------------|
| J2B              | 0.15              | 1.10              | 1.81              | 3.24              | 4.72              | 6.21              | 19.54             | Yes               | No                      | 63.27              | 05/05/2021              |                       |
| J15K             | 0.10              | 1.14              | 1.86              | 3.24              | 4.71              | 6.20              | 19.43             | Yes               | No                      | 63.03              | 22/04/2024              |                       |
| J3B              | 0.13              | 0.98              | 1.71              | 3.12              | 4.65              | 6.23              | 19.76             | Yes               | No                      | 62.57              | 05/05/2021              |                       |
| J1F              | 0.13              | 0.96              | 1.68              | 3.08              | 4.55              | 6.05              | 19.66             | Yes               | No                      | 60.92              | 30/03/2019              |                       |
| Stay             | 0.10              | 0.97              | 1.80              | 3.25              | 4.35              | 5.24              | 18.70             | No                | Inner                   | 55.73              | 30/03/2019              |                       |
| J4-A19           | 0.10              | 0.88              | 1.66              | 3.13              | 4.66              | 6.24              | 16.54             | Yes               | No                      | 52.13              | 30/04/2019              |                       |
| J5               | 0.08              | 0.67              | 1.28              | 2.54              | 3.88              | 5.33              | 15.01             | Yes               | No                      | 39.12              | 30/03/2019              |                       |
| Stay2            | 0.03              |                   | 1.18              | 2.22              | 3.15              | 3.72              | 11.75             | No                | Inner                   | 24.31              | 18/04/2023              |                       |

#### ASYMMETRIC SPINNAKER

| <i><b>Id</b></i> | <i><b>SLU</b></i> | <i><b>SLE</b></i> | <i><b>SL</b></i> | <i><b>SHW</b></i> | <i><b>SFL</b></i> | <i><b>Ratio</b></i> | <i><b>Area</b></i> | <i><b>Meas.Date</b></i> | <i><b>Comment</b></i> |
|------------------|-------------------|-------------------|------------------|-------------------|-------------------|---------------------|--------------------|-------------------------|-----------------------|
| a1.5-B           | 25.25             | 21.65             | 23.45            | 13.54             | 14.28             | 95%                 | 267.49             | 12/06/2018              |                       |
| a2-619           | 25.25             | 21.59             | 23.42            | 13.54             | 14.03             | 97%                 | 266.17             | 19/07/2021              |                       |
| a2-24            | 24.65             | 21.59             | 23.12            | 13.25             | 13.35             | 99%                 | 255.67             | 22/04/2024              |                       |
| a4               | 24.32             | 21.40             | 22.86            | 13.42             | 13.10             | 102%                | 254.43             |                         |                       |
| a1               | 24.75             | 20.42             | 22.59            | 12.33             | 12.98             | 95%                 | 234.51             |                         |                       |