

|                                                |  |              |                                        |        |      |                               |
|------------------------------------------------|--|--------------|----------------------------------------|--------|------|-------------------------------|
| <b>BOAT</b>                                    |  | <b>GPH</b>   | <b>HULL</b>                            |        |      |                               |
| Name <b>NEFELI</b><br>Sail Nr <b>GRE-49519</b> |  | <b>738,0</b> | Length Overall <b>9,190m</b>           |        |      |                               |
|                                                |  |              | Maximum Beam <b>3,158m</b>             |        |      |                               |
|                                                |  |              | Displacement <b>4.149kg</b>            |        |      |                               |
|                                                |  |              | Draft <b>1,728m</b>                    |        |      |                               |
|                                                |  |              | IMS Reg. Division <b>Cruiser/Racer</b> |        |      |                               |
|                                                |  |              | Dynamic Allowance <b>0,535%</b>        |        |      |                               |
|                                                |  |              | Fwd Accommodation <b>Yes</b>           |        |      |                               |
|                                                |  |              | Hull Construction <b>Solid</b>         |        |      |                               |
|                                                |  |              | Carbon Rudder <b>No</b>                |        |      |                               |
|                                                |  |              | Crew Arm Extension                     |        |      |                               |
|                                                |  |              | IMSL                                   | 7,617m | VCGD | 0,007m Sink 13,28kg/mm        |
|                                                |  |              | RL                                     | 5,885m | VCGM | 0,001m WS 19,34m <sup>2</sup> |

| <b>SCORING OPTIONS</b> |                                            |               |               |                                      |               |               |
|------------------------|--------------------------------------------|---------------|---------------|--------------------------------------|---------------|---------------|
|                        | <b>OFFSHORE</b><br>COASTAL / LONG DISTANCE |               |               | <b>INSHORE</b><br>WINDWARD / LEEWARD |               |               |
| Time On Distance       | <b>715,6</b>                               |               |               | <b>796,5</b>                         |               |               |
| Time On Time           | <b>0,8384</b>                              |               |               | <b>0,8475</b>                        |               |               |
| Performance Line       | PLT                                        |               | PLD           | PLT                                  |               | PLD           |
|                        | <b>0,709</b>                               |               | <b>99,7</b>   | <b>0,657</b>                         |               | <b>154,7</b>  |
| Triple Number          | Low                                        | Medium        | High          | Low                                  | Medium        | High          |
|                        | <b>0,7872</b>                              | <b>1,0365</b> | <b>1,1762</b> | <b>0,6075</b>                        | <b>0,8371</b> | <b>0,9914</b> |

| <b>TIME ALLOWANCES</b> |               |               |              |              |              |              |              |
|------------------------|---------------|---------------|--------------|--------------|--------------|--------------|--------------|
| Wind Velocity          | 6 kt          | 8 kt          | 10 kt        | 12 kt        | 14 kt        | 16 kt        | 20 kt        |
| Beat VMG               | <b>1279,0</b> | <b>1070,1</b> | <b>954,5</b> | <b>870,4</b> | <b>826,1</b> | <b>804,6</b> | <b>793,9</b> |
| 52°                    | <b>828,4</b>  | <b>702,0</b>  | <b>623,1</b> | <b>584,1</b> | <b>565,7</b> | <b>557,3</b> | <b>552,3</b> |
| 60°                    | <b>779,3</b>  | <b>660,9</b>  | <b>595,0</b> | <b>566,2</b> | <b>549,9</b> | <b>539,8</b> | <b>532,8</b> |
| 75°                    | <b>741,5</b>  | <b>628,3</b>  | <b>576,5</b> | <b>552,4</b> | <b>535,6</b> | <b>521,8</b> | <b>502,5</b> |
| 90°                    | <b>749,2</b>  | <b>629,8</b>  | <b>569,6</b> | <b>545,8</b> | <b>536,0</b> | <b>521,2</b> | <b>495,0</b> |
| 110°                   | <b>751,4</b>  | <b>620,3</b>  | <b>565,0</b> | <b>537,5</b> | <b>514,4</b> | <b>495,2</b> | <b>479,0</b> |
| 120°                   | <b>777,0</b>  | <b>638,2</b>  | <b>573,2</b> | <b>544,0</b> | <b>521,2</b> | <b>498,9</b> | <b>467,2</b> |
| 135°                   | <b>864,3</b>  | <b>707,7</b>  | <b>605,7</b> | <b>562,9</b> | <b>538,0</b> | <b>516,0</b> | <b>475,5</b> |
| 150°                   | <b>1014,6</b> | <b>803,6</b>  | <b>678,8</b> | <b>598,2</b> | <b>560,8</b> | <b>537,1</b> | <b>495,2</b> |
| Run VMG                | <b>1171,6</b> | <b>923,7</b>  | <b>776,1</b> | <b>668,9</b> | <b>600,3</b> | <b>563,2</b> | <b>518,7</b> |

| <b>Selected Courses</b> |               |              |              |              |              |              |              |
|-------------------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Windward / Leeward      | <b>1225,3</b> | <b>996,9</b> | <b>865,3</b> | <b>769,7</b> | <b>713,2</b> | <b>683,9</b> | <b>656,3</b> |
| Circular Random         | <b>1025,3</b> | <b>824,8</b> | <b>715,7</b> | <b>651,3</b> | <b>611,5</b> | <b>586,0</b> | <b>556,1</b> |
| Ocean for PCS           | <b>1091,1</b> | <b>860,6</b> | <b>731,2</b> | <b>651,8</b> | <b>600,0</b> | <b>564,2</b> | <b>515,1</b> |
| Non Spinnaker           | <b>1080,2</b> | <b>864,2</b> | <b>745,5</b> | <b>674,4</b> | <b>629,8</b> | <b>600,8</b> | <b>566,5</b> |

| <b>Velocity Prediction in Knots for True Wind Speeds</b> |               |               |               |               |               |               |               |
|----------------------------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Wind Velocity                                            | 6 kt          | 8 kt          | 10 kt         | 12 kt         | 14 kt         | 16 kt         | 20 kt         |
| Beat Angles                                              | <b>44,2°</b>  | <b>42,7°</b>  | <b>43,2°</b>  | <b>43,0°</b>  | <b>41,8°</b>  | <b>40,8°</b>  | <b>40,5°</b>  |
| Beat VMG                                                 | <b>2,81</b>   | <b>3,36</b>   | <b>3,77</b>   | <b>4,14</b>   | <b>4,36</b>   | <b>4,47</b>   | <b>4,53</b>   |
| 52°                                                      | <b>4,35</b>   | <b>5,13</b>   | <b>5,78</b>   | <b>6,16</b>   | <b>6,36</b>   | <b>6,46</b>   | <b>6,52</b>   |
| 60°                                                      | <b>4,62</b>   | <b>5,45</b>   | <b>6,05</b>   | <b>6,36</b>   | <b>6,55</b>   | <b>6,67</b>   | <b>6,76</b>   |
| 75°                                                      | <b>4,85</b>   | <b>5,73</b>   | <b>6,24</b>   | <b>6,52</b>   | <b>6,72</b>   | <b>6,90</b>   | <b>7,16</b>   |
| 90°                                                      | <b>4,81</b>   | <b>5,72</b>   | <b>6,32</b>   | <b>6,60</b>   | <b>6,72</b>   | <b>6,91</b>   | <b>7,27</b>   |
| 110°                                                     | <b>4,79</b>   | <b>5,80</b>   | <b>6,37</b>   | <b>6,70</b>   | <b>7,00</b>   | <b>7,27</b>   | <b>7,52</b>   |
| 120°                                                     | <b>4,63</b>   | <b>5,64</b>   | <b>6,28</b>   | <b>6,62</b>   | <b>6,91</b>   | <b>7,22</b>   | <b>7,71</b>   |
| 135°                                                     | <b>4,17</b>   | <b>5,09</b>   | <b>5,94</b>   | <b>6,40</b>   | <b>6,69</b>   | <b>6,98</b>   | <b>7,57</b>   |
| 150°                                                     | <b>3,55</b>   | <b>4,48</b>   | <b>5,30</b>   | <b>6,02</b>   | <b>6,42</b>   | <b>6,70</b>   | <b>7,27</b>   |
| Run VMG                                                  | <b>3,07</b>   | <b>3,90</b>   | <b>4,64</b>   | <b>5,38</b>   | <b>6,00</b>   | <b>6,39</b>   | <b>6,94</b>   |
| Gybe Angles                                              | <b>147,8°</b> | <b>156,4°</b> | <b>168,7°</b> | <b>170,7°</b> | <b>175,9°</b> | <b>178,7°</b> | <b>178,9°</b> |



World Leader in Rating Technology

**2015**  
ORC International  
Certificate

**Rating Office**  
Hellenic Sailing Federation  
Offshore Committee  
Επιτροπή  
Ανοικτής Θαλάσσης  
Ελληνικής  
Ιστιοπλοϊκής Ομοσπονδίας



**Certificate**  
Number **000667**  
ORC Ref **GRE01003964**  
Issued On **17/6/2015**  
VPP Ver. **2015 1.01**  
Valid until **29/2/2016**

**Crew Weight**  
Declared **350kg**  
Default\* **483kg**  
Non Manual Pwr **No**

**Special Scoring**

|                |              |               |
|----------------|--------------|---------------|
|                | ToD          | ToT           |
| Non Spin GPH   | <b>769,3</b> | <b>0,7799</b> |
| Non Spin OSN   | <b>742,8</b> | <b>0,8077</b> |
| N/S Perf. Line | <b>74,3</b>  | <b>0,649</b>  |

**Sails Limitations**

|           |            |
|-----------|------------|
| Headsails | Spinnakers |
| <b>5</b>  | <b>3</b>   |

**Class Division Length**  
CDL = **6,752**

**Storm Sails Areas**

|                     |              |
|---------------------|--------------|
| Heavy Weather Jib   | <b>18,94</b> |
| Storm Jib (JL=7,70) | <b>7,01</b>  |
| Storm Try sail      | <b>5,55</b>  |

**Owner**

|             |             |         |                  |
|-------------|-------------|---------|------------------|
| <b>BOAT</b> |             |         |                  |
| Name        | NEFELI      | Sail Nr | GRE-49519        |
| File        | GR49519.dxt | Data in | meters/kilograms |

|                      |        |                  |       |
|----------------------|--------|------------------|-------|
| <b>RIG</b>           |        |                  |       |
| Forestay Tension     | Aft    | Spreaders        | 2     |
| Inner Stay           | Fixed  | Runners          | 0     |
| Carbon Mast          | No     | Jumper Struts    | Yes   |
| Taper Hollows        | No     | Jib Furler       | No    |
| Fiber Rigging        | No     | Main Furler      | No    |
| Lenticular Rigging   | No     | Without Backstay | No    |
| Articulated Bowsprit | No     |                  |       |
| P                    | 9,980  | E                | 3,180 |
| IG                   | 11,680 | J                | 3,625 |
| ISP                  | 11,605 | SFJ              | 0,070 |
| BAS                  | 1,440  | SPL              | 3,650 |
| FSP                  | 0,066  | TPS              |       |
| MDT1                 | 0,120  | MW               | 0,180 |
| MDL1                 | 0,180  | GO               | 0,230 |
| MDT2                 | 0,120  | BD               | 0,120 |
| MDL2                 | 0,180  | MWT              | 90,00 |
| TL                   | 0,000  | MCG              | 4,600 |

|                             |  |  |  |
|-----------------------------|--|--|--|
| <b>MIZZEN RIG AND SAILS</b> |  |  |  |
| N/A                         |  |  |  |

|                 |  |  |  |
|-----------------|--|--|--|
| <b>COMMENTS</b> |  |  |  |
|                 |  |  |  |

|                                          |        |                |        |
|------------------------------------------|--------|----------------|--------|
| <b>INCLINING TEST AND FREEBOARDS</b>     |        |                |        |
| Inclining Test <b>Current Inclining</b>  |        |                |        |
| Flotation date <b>24/05/2008</b>         |        | SG             |        |
| FFM                                      | 1,140  | FF             | 1,142  |
| FAM                                      | 0,900  | FA             | 0,906  |
| SFFP                                     | 0,464  | SAFP           | 8,685  |
| W1                                       | 46,000 | PD1            | 254,0  |
| W2                                       | 46,000 | PD2            | 254,0  |
| W3                                       | 46,000 | PD3            | 254,0  |
| W4                                       | 46,000 | PD4            | 254,0  |
| WD                                       | 10,280 | GSA            | 50,0   |
| RSA                                      | 5670,0 | PLM            | 2230,0 |
| LCF from stem on CL / on sheer           |        | 5,051 / 5,271  |        |
| Maximum beam station from stem           |        | 5,570          |        |
| RM Measured                              |        | 72,0kg·m       |        |
| RM Default                               |        | 67,1kg·m       |        |
| Limit of positive stability / Stab.Index |        | 117,0° / 117,1 |        |
| Freeboard at mast at 3,695               |        | 0,991          |        |

|                  |                   |       |        |
|------------------|-------------------|-------|--------|
| <b>PROPELLER</b> |                   |       |        |
| Installation     | Shaft non exposed | PRD   | 0,410  |
| Type             | Folding 2 blades  | PBW   | 0,110  |
| Twin Screw       | No                | PIPA  | 0,0012 |
| PSA              | PHD               | 0,067 | ESL    |
| PSD              | 0,025             | PHL   | 0,065  |

|                         |  |  |  |
|-------------------------|--|--|--|
| <b>MOVEABLE BALLAST</b> |  |  |  |
| N/A                     |  |  |  |

|                    |  |  |  |
|--------------------|--|--|--|
| <b>CENTERBOARD</b> |  |  |  |
| N/A                |  |  |  |



World Leader in Rating Technology

# 2015

## Measurements Datasheet

**Certificate**  
 Number **000667**  
 ORC Ref **GRE01003964**  
 Issued On **17/6/2015**  
 VPP Ver. **2015 1.01**  
 Valid until **29/2/2016**



| SAILS (Maximum Areas) |       |      |      |      |      |       |          |                                                   |  |
|-----------------------|-------|------|------|------|------|-------|----------|---------------------------------------------------|--|
| Mainsail              | HB    | MGT  | MGU  | MGM  | MGL  | Area  | Area (r) | Formula                                           |  |
|                       | 0,140 | 0,67 | 1,17 | 2,02 | 2,64 | 18,71 | 19,00    | P/8 · (E + 2·MGL+ 2·MGM + 1.5·MGU + MGT + 0.5·HB) |  |
| Symmetric             | SL    | SMG  | SF   |      |      | 64,62 |          | SL · (SF + 4·SMG) / 6                             |  |
|                       | 11,90 | 6,53 | 6,46 |      |      |       |          |                                                   |  |
| Asymmetric            |       |      |      |      |      |       |          |                                                   |  |
| Not Available         |       |      |      |      |      |       |          |                                                   |  |

|                                                                                     |      |      |      |      |      |       |       |     |     |            |          |         |  |
|-------------------------------------------------------------------------------------|------|------|------|------|------|-------|-------|-----|-----|------------|----------|---------|--|
| <b>HEADSAILS</b>                                                                    |      |      |      |      |      |       |       |     |     |            |          |         |  |
| Area = 0.1125 · JL · (1.445 · LPG + 2 · JGL + 2 · JGM + 1.5 · JGU + JGT + 0.5 · JH) |      |      |      |      |      |       |       |     |     |            |          |         |  |
| JH                                                                                  | JGT  | JGU  | JGM  | JGL  | LPG  | JL    | Area  | Btn | Fly | Meas.Date  | Material | Comment |  |
| 0,04                                                                                | 0,66 | 1,30 | 2,56 | 3,85 | 5,33 | 11,28 | 29,38 |     |     | 05/06/2015 | Pentex   |         |  |

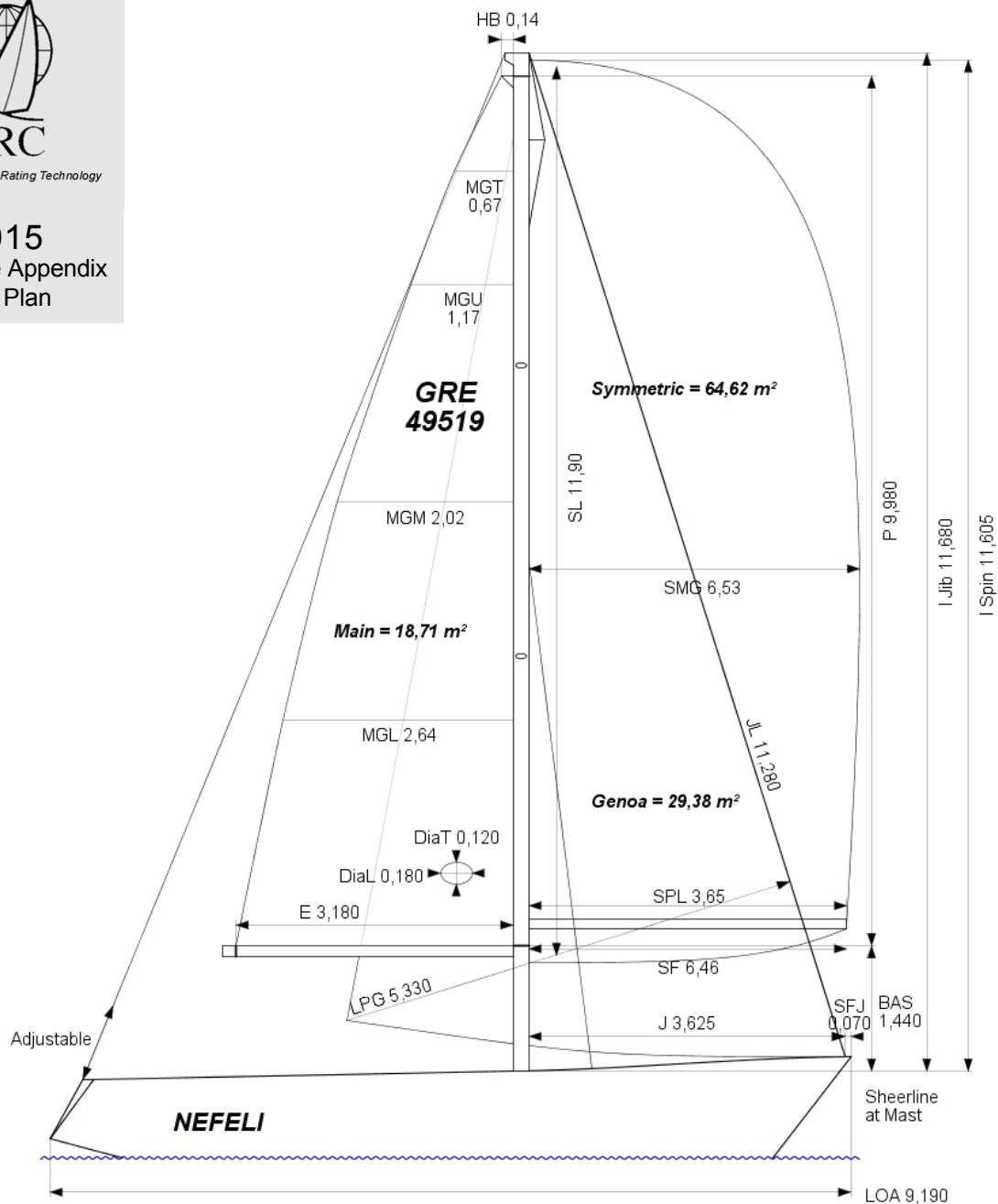
|                                 |             |               |                    |                        |
|---------------------------------|-------------|---------------|--------------------|------------------------|
| <b>MEASUREMENT INVENTORY</b>    |             |               |                    |                        |
| Measurer <b>KITSARAS GRE-40</b> |             |               |                    |                        |
| Date <b>24/05/2008</b>          |             |               |                    |                        |
| Comment                         |             |               |                    |                        |
| <i>Id</i>                       | <i>Item</i> | <i>Weight</i> | <i>Distance</i>    | <i>VCg Description</i> |
| 2                               | Anchor      | 10,0          | 7,00               | Danforth               |
| 1                               | Anchor      | 13,0          | 4,00               | Danforth               |
| 2                               | Chain       | 12,0          | 7,00               | 6mm-15m                |
| 1                               | Chain       | 14,0          | 4,00               | 8mm-10-m               |
| 1                               | Tools       | 5,0           | 4,80               |                        |
| <i>Id</i>                       | <i>Item</i> | <i>Maker</i>  | <i>Model</i>       |                        |
| 1                               | Engine      | VOLVO         | PENTA              |                        |
| <i>Id</i>                       | <i>Item</i> | <i>Weight</i> | <i>Description</i> |                        |

|                              |             |                 |                  |               |                    |            |                           |
|------------------------------|-------------|-----------------|------------------|---------------|--------------------|------------|---------------------------|
| <b>MEASUREMENT INVENTORY</b> |             |                 |                  |               |                    |            |                           |
| <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> |
| 2                            | Tank        | Water           | PVC soft         | 150,0         | 4,60               |            | 0,0                       |
| 3                            | Tank        | Fuel            | INOX             | 40,0          | 6,50               |            | 5,0                       |
| 1                            | Tank        | Water           | PVC soft         | 100,0         | 1,50               |            | 0,0                       |
| <i>Id</i>                    | <i>Item</i> | <i>Weight</i>   | <i>Distance</i>  | <i>VCg</i>    | <i>Description</i> |            |                           |
| 2                            | Battery     | 26,0            | 4,00             | 100           | Amh                |            |                           |
| 1                            | Battery     | 26,0            | 6,30             |               | Amh                |            |                           |
| 1                            | Misc        | 10,0            | 0,90             |               | Windlass           |            |                           |



World Leader in Rating Technology

# 2015 Certificate Appendix Sail Plan



## SAILS INVENTORY

### MAINSAIL

| Id | HB    | MGT  | MGU  | MGM  | MGL  | Area  | Measurer     | Meas.Date  | Manufacture | Material | Comment |
|----|-------|------|------|------|------|-------|--------------|------------|-------------|----------|---------|
| 1  | 0,140 | 0,67 | 1,17 | 2,02 | 2,64 | 18,71 | ANTONOPOULOU | 07/04/2011 | ZOUGANELI   | Pentex   |         |

### HEADSAILS

| Id | JH   | JGT  | JGU  | JGM  | JGL  | LPG  | JL    | Ovrlp | Area  | Btn | Fly | Measurer | Meas.Date  | Manufacture | Material | Comment |
|----|------|------|------|------|------|------|-------|-------|-------|-----|-----|----------|------------|-------------|----------|---------|
| 2  | 0,04 | 0,66 | 1,30 | 2,56 | 3,85 | 5,33 | 11,28 | 147%  | 29,38 |     |     | KITSARA  | 05/06/2015 | ZOUGANELI   | Pentex   |         |

### SYMMETRIC SPINNAKERS

| Id  | SL    | SMG  | SF   | Area  | Measurer | Meas.Date  | Manufacture | Material | Comment                |
|-----|-------|------|------|-------|----------|------------|-------------|----------|------------------------|
| 1   | 11,90 | 6,53 | 6,46 | 64,62 | NAKIS    | 13/09/2004 |             | Nylon    |                        |
| ORC | 11,68 | 6,57 | 6,50 | 63,81 |          |            |             |          | * Copied from legacy * |

### ASYMMETRIC SPINNAKERS

| Id | SLU | SLE | ASL | AMG | ASF | Area | Kind | Measurer | Meas.Date | Manufacture | Material | Comment |
|----|-----|-----|-----|-----|-----|------|------|----------|-----------|-------------|----------|---------|
|----|-----|-----|-----|-----|-----|------|------|----------|-----------|-------------|----------|---------|