

<b>BOAT</b> Name <b>Maestro</b> Sail Nr <b>GIB 3300</b>	<b>GPH</b> <b>545.4</b>	<b>HULL</b> Length Overall <b>13.304m</b> Maximum Beam <b>4.054m</b> Displacement <b>9,216kg</b> Draft <b>2.677m</b> IMS Reg. Division <b>Performance</b> Dynamic Allowance <b>0.027%</b> Fwd Accommodation <b>Yes</b> Hull Construction <b>Cored</b> Carbon Rudder <b>No</b> Crew Arm Extension
<b>GENERAL</b> Class <b>XP 44</b> Designer <b>Niels Jeppesen</b> Builder <b>X-Yachts, Denmark</b> Series <b>01/2011</b> Age <b>07/2012</b> Age Allowance <b>0.228%</b> Offset File <b>XP44.OFF - 07/06/2011 20:28:06</b> Measurement by <b>S. Groz - 26/07/2016</b>		IMSL <b>12.263m</b> VCGD <b>-0.214m</b> Sink <b>27.35kg/mm</b> RL <b>11.129m</b> VCGM <b>-0.183m</b> WS <b>37.25m<sup>2</sup></b> LSM0 <b>12.020m</b> Displacement/Length ratio <b>5.3068</b>



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<b>SCORING OPTIONS</b>						
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time on Distance	<b>530.9</b>			<b>597.3</b>		
Time on Time	<b>1.1302</b>			<b>1.1301</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>618.5</b>	<b>484.1</b>	<b>436.9</b>	<b>798.4</b>	<b>597.8</b>	<b>530.3</b>
Time on Time	<b>1.0914</b>	<b>1.3943</b>	<b>1.5448</b>	<b>0.8454</b>	<b>1.1292</b>	<b>1.2728</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>906.4</b>	<b>744.2</b>	<b>663.4</b>	<b>633.0</b>	<b>619.3</b>	<b>613.1</b>	<b>596.8</b>
52°	<b>596.5</b>	<b>498.3</b>	<b>458.0</b>	<b>444.8</b>	<b>439.0</b>	<b>436.2</b>	<b>428.4</b>
60°	<b>565.5</b>	<b>478.4</b>	<b>445.8</b>	<b>432.8</b>	<b>427.1</b>	<b>423.9</b>	<b>416.9</b>
75°	<b>542.9</b>	<b>465.8</b>	<b>437.1</b>	<b>421.3</b>	<b>410.2</b>	<b>403.9</b>	<b>397.8</b>
90°	<b>549.7</b>	<b>462.8</b>	<b>436.9</b>	<b>418.7</b>	<b>402.9</b>	<b>388.8</b>	<b>371.1</b>
110°	<b>545.0</b>	<b>455.7</b>	<b>423.5</b>	<b>406.1</b>	<b>393.2</b>	<b>381.1</b>	<b>359.4</b>
120°	<b>560.1</b>	<b>462.9</b>	<b>427.1</b>	<b>402.7</b>	<b>380.5</b>	<b>366.1</b>	<b>342.1</b>
135°	<b>625.0</b>	<b>503.3</b>	<b>446.3</b>	<b>419.4</b>	<b>394.8</b>	<b>369.5</b>	<b>318.8</b>
150°	<b>743.3</b>	<b>593.3</b>	<b>501.6</b>	<b>450.6</b>	<b>428.4</b>	<b>409.8</b>	<b>367.6</b>
Run VMG	<b>858.3</b>	<b>685.1</b>	<b>579.2</b>	<b>520.0</b>	<b>492.4</b>	<b>461.4</b>	<b>415.9</b>

**Certificate**

Number **3300\_5**  
ORC Ref **UKR00007777**  
Issued On **08/09/2018**  
VPP Ver. **2018 1.00**  
Valid until **31/12/2018**

**Crew Weight**

Default 895kg  
Maximum **800kg**  
Minimum\* **600kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

ToD	ToT
Non Spin GPH <b>581.7</b>	<b>1.0315</b>
Non Spin OSN <b>566.7</b>	<b>1.0589</b>

<b>Selected Courses</b>							
Windward / Leeward	<b>882.3</b>	<b>714.6</b>	<b>621.3</b>	<b>576.5</b>	<b>555.8</b>	<b>537.3</b>	<b>506.4</b>
Circular Random	<b>745.9</b>	<b>603.8</b>	<b>529.1</b>	<b>487.0</b>	<b>461.5</b>	<b>444.3</b>	<b>419.1</b>
Coastal / Long Distance	<b>879.9</b>	<b>671.6</b>	<b>561.7</b>	<b>502.7</b>	<b>472.3</b>	<b>446.6</b>	<b>402.0</b>
Non Spinnaker	<b>813.2</b>	<b>651.3</b>	<b>563.6</b>	<b>512.1</b>	<b>480.1</b>	<b>458.7</b>	<b>430.4</b>

**Sails Limitations**

Headsails	Spinnakers
<b>7</b>	<b>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>42.6°</b>	<b>41.2°</b>	<b>39.9°</b>	<b>38.6°</b>	<b>38.0°</b>	<b>38.3°</b>	<b>37.8°</b>
Beat VMG	<b>3.97</b>	<b>4.84</b>	<b>5.43</b>	<b>5.69</b>	<b>5.81</b>	<b>5.87</b>	<b>6.03</b>
52°	<b>6.04</b>	<b>7.22</b>	<b>7.86</b>	<b>8.09</b>	<b>8.20</b>	<b>8.25</b>	<b>8.40</b>
60°	<b>6.37</b>	<b>7.53</b>	<b>8.08</b>	<b>8.32</b>	<b>8.43</b>	<b>8.49</b>	<b>8.64</b>
75°	<b>6.63</b>	<b>7.73</b>	<b>8.24</b>	<b>8.55</b>	<b>8.78</b>	<b>8.91</b>	<b>9.05</b>
90°	<b>6.55</b>	<b>7.78</b>	<b>8.24</b>	<b>8.60</b>	<b>8.93</b>	<b>9.26</b>	<b>9.70</b>
110°	<b>6.61</b>	<b>7.90</b>	<b>8.50</b>	<b>8.86</b>	<b>9.15</b>	<b>9.45</b>	<b>10.02</b>
120°	<b>6.43</b>	<b>7.78</b>	<b>8.43</b>	<b>8.94</b>	<b>9.46</b>	<b>9.83</b>	<b>10.52</b>
135°	<b>5.76</b>	<b>7.15</b>	<b>8.07</b>	<b>8.58</b>	<b>9.12</b>	<b>9.74</b>	<b>11.29</b>
150°	<b>4.84</b>	<b>6.07</b>	<b>7.18</b>	<b>7.99</b>	<b>8.40</b>	<b>8.79</b>	<b>9.79</b>
Run VMG	<b>4.19</b>	<b>5.26</b>	<b>6.21</b>	<b>6.92</b>	<b>7.31</b>	<b>7.80</b>	<b>8.66</b>
Gybe Angles	<b>143.0°</b>	<b>145.6°</b>	<b>148.2°</b>	<b>151.0°</b>	<b>152.2°</b>	<b>175.5°</b>	<b>177.5°</b>

**Class Division Length**

CDL = **11.697**

**Storm Sails Areas**

Heavy Weather Jib **44.90**  
Storm Jib (JL=11.85) **16.63**  
Storm Trysail **18.85**

**Owner**

<b>BOAT</b>	
Name <b>Maestro</b>	Sail Nr <b>GIB 3300</b>
File <b>GIB3300_Maestro</b>	Data in <b>meters/kilograms</b>

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Current Inclining</b>			
Flotation date <b>26/07/2016</b>		SG <b>1.0240</b>	
FFM <b>1.528</b>	FF <b>1.533</b>	SFFP <b>0.744</b>	
FAM <b>1.204</b>	FA <b>1.204</b>	SAFP <b>13.259</b>	
W1 <b>97.5</b>	PD1 <b>428.2</b>	WD <b>14.960</b>	
W2 <b>97.5</b>	PD2 <b>427.8</b>	GSA <b>1.0</b>	
W3 <b>97.5</b>	PD3 <b>428.1</b>	RSA <b>1.0</b>	
W4 <b>97.5</b>	PD4 <b>427.9</b>	PLM <b>9000.0</b>	
LCF from stem on CL / on sheer		<b>7.462 / 7.720</b>	
Maximum beam station from stem		<b>9.119</b>	
RM Measured		<b>268.4kg-m</b>	
RM Default		<b>266.8kg-m</b>	
Limit of positive stability / Stab.Index		<b>129.7° / 134.2</b>	
Freeboard at mast at 5.235		<b>1.359</b>	

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


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

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

<b>COMMENTS</b>	

<b>MOVABLE BALLAST</b>	
N/A	

<b>CENTERBOARD</b>	
N/A	




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<b>SAILS (Maximum Areas)</b>									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.300	1.48	2.42	3.86	5.00	65.45	66.79	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric Not Available									
Asymmetric	SLU	SLE	SL	SHW	SFL			AS · (SFL + 4·SHW) / 6	
	21.46	18.23	19.84	11.09	10.10	180.13			

<b>HEADSAILS</b>												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
<b>HHB</b>	<b>HUW</b>	<b>HTW</b>	<b>HHW</b>	<b>HQW</b>	<b>HLP</b>	<b>HLU</b>	<b>Area</b>	<b>Btn</b>	<b>Fly</b>	<b>Meas.Date</b>	<b>Material</b>	<b>Comment</b>
0.17	0.96	1.68	2.89	4.11	5.22	17.96	50.72	Y		26/07/2016	Carbon	
0.15	1.02	1.69	2.89	4.10	5.28	17.40	49.40	Y		26/07/2016	Carbon	
0.12	0.86	1.58	2.79	4.05	5.17	17.82	48.99	Y		26/07/2018	Carbon	
0.08	0.62	1.20	2.41	3.73	5.03	17.40	43.08	Y		26/07/2018	Carbon	
		1.44			4.72	16.54	39.74	Y		30/06/2017	Carbon	
					3.20	9.68	15.35	N	N	30/06/2017	Carbon	

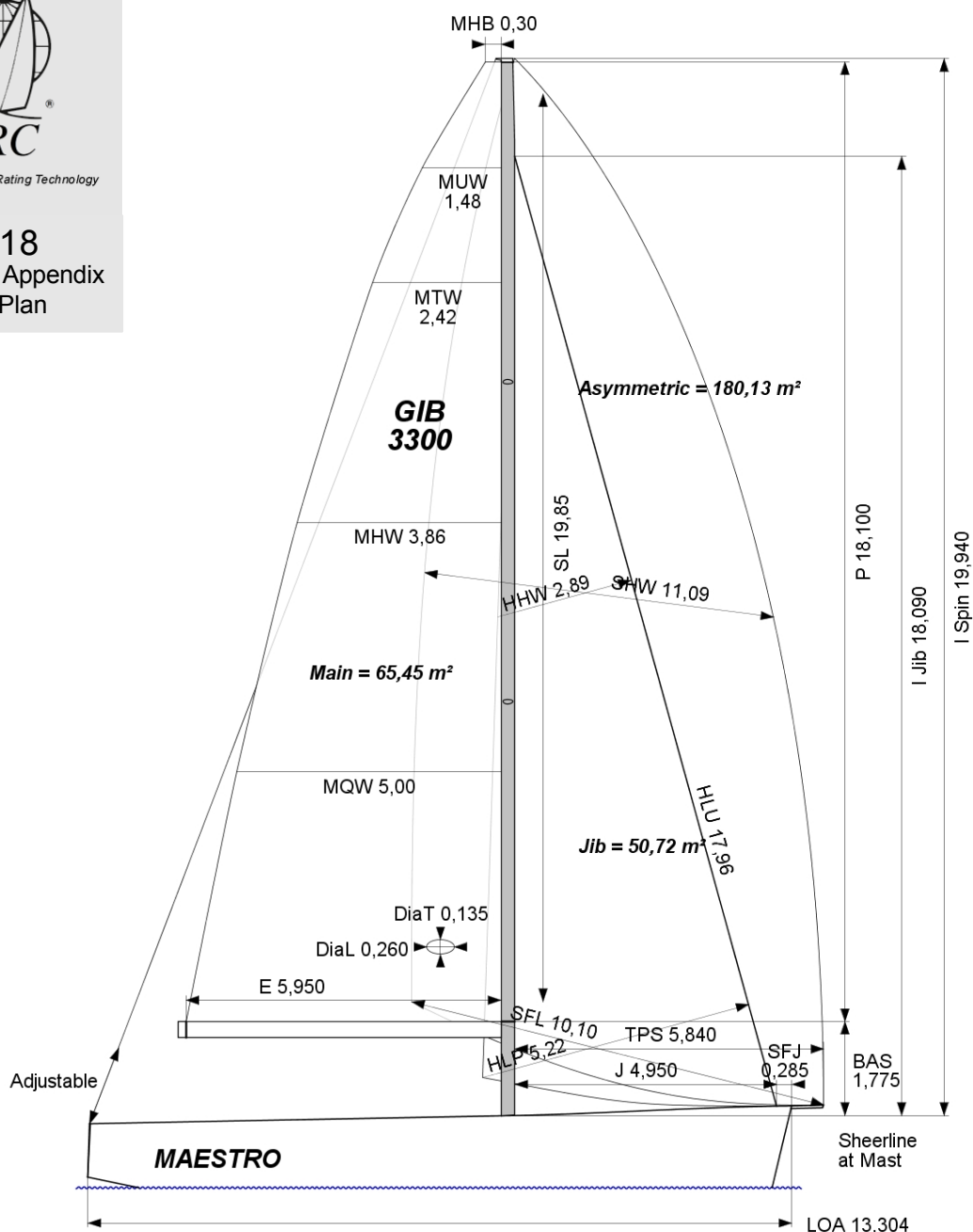
<b>MEASUREMENT INVENTORY</b>				
Measurer <b>S. Groz</b>				
Date <b>27/07/2016</b>				
Comment				
<b>Id</b>	<b>Item</b>	<b>Weight</b>	<b>Distance</b>	<b>VCG Description</b>
4	Anchor		8.50	7.0 kg
4	Anchor		8.50	20 kg
Tools				
<b>Id</b>	<b>Item</b>	<b>Maker</b>	<b>Model</b>	
1	Engine	Yanmar	4GH4AE	
<b>Id</b>	<b>Item</b>	<b>Weight Description</b>		

<b>MEASUREMENT INVENTORY</b>						
<b>Id</b>	<b>Item</b>	<b>Tank Use</b>	<b>Tank Type</b>	<b>Capcty</b>	<b>Dist.</b>	<b>VCG Condtn Description</b>
1	Tank Fuel		steel	200.0	6.20	70.0
2	Tank Water		plastic	350.0	6.93	
<b>Id</b>	<b>Item</b>	<b>Weight</b>	<b>Distance</b>	<b>VCG Description</b>		
1	Ballast	15.0	5.73	40 ah		
2	Ballast	45.0	5.75	110 ah		
3	Ballast	45.0	5.75	110 ah		
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 (2)**

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
M1	0.300	1.48	2.42	3.86	5.00	65.45	S. Groz	26/07/2016	Bank Sail	Carbon	
M3	0.320	1.45	2.41	3.83	4.95	65.01	S. Groz	25/05/2018	UK	Carbon	

**HEADSAILS (6)**

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
J1	0.17	0.96	1.68	2.89	4.11	5.22	17.96	105%	50.72	Y		S. Groz	26/07/2016	Bank Sail	Carbon	
J-Top	0.15	1.02	1.69	2.89	4.10	5.28	17.40	107%	49.40	Y		S. Groz	26/07/2016	Bank Sail	Carbon	
J2-UK	0.12	0.86	1.58	2.79	4.05	5.17	17.82	104%	48.99	Y		S. Groz	26/07/2018	UK	Carbon	
J3-UK	0.08	0.62	1.20	2.41	3.73	5.03	17.40	102%	43.08	Y		S. Groz	26/07/2018	UK	Carbon	
J4						4.72	16.54	95%	39.74	Y		174	30/06/2017	Bank Sail	Carbon	
J-Storm				1.44		3.20	9.68	65%	15.35	N	N	174	30/06/2017	Bank Sail	Carbon	

**SYMMETRIC SPINNAKERS (0)**

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
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**ASYMMETRIC SPINNAKERS (4)**

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
A2UK	21.46	18.23	19.84	11.09	10.10	180.13	asym	S. Groz	25/05/2018	UK	Nylon	
A1,5	20.96	18.40	19.68	10.86	10.40	176.60	asym	S. Groz	26/07/2016	Bank Sail	Nylon	
A3	21.09	18.59	19.84	9.77	10.20	162.95	asym	S. Groz	25/05/2018	UK	Nylon	
A0	19.69	18.47	19.08	7.70	10.26	130.57	asym	S. Groz	25/05/2018	Bank Sails	Nylon	