

<b>BOAT</b> Name <b>ELLINIX FARR AWAY</b> Sail Nr <b>GRE-40</b>	<b>GPH</b> <b>536.8</b>	<b>HULL</b> Length Overall <b>12.415m</b> Maximum Beam <b>3.956m</b> Displacement <b>5,104kg</b> Draft <b>2.599m</b> IMS Reg. Division <b>Performance</b> Dynamic Allowance <b>0.000%</b> Fwd Accommodation <b>No</b> Hull Construction <b>Cored</b> Carbon Rudder <b>Yes</b> Crew Arm Extension IMSL <b>11.265m</b> VCGD <b>-0.246m</b> Sink <b>21.12kg/mm</b> RL <b>11.261m</b> VCGM <b>-0.251m</b> WS <b>27.91m<sup>2</sup></b> LSM0 <b>10.986m</b> Displacement/Length ratio <b>3.8494</b>
<b>GENERAL</b> Class <b>FARR 40 ONE DESIGN</b> Designer <b>FARR</b> Builder <b>CARROLL</b> Series <b>05/1997</b> Age <b>05/1998</b> Age Allowance <b>0.487%</b> Offset File <b>FARR40.OD.OFF - 13/05/2015 19:45:08</b> Measurement by - <b>01/01/2000</b>		



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<b>SCORING OPTIONS</b>						
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time on Distance	<b>523.8</b>			<b>587.7</b>		
Time on Time	<b>1.1455</b>			<b>1.1486</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>603.6</b>	<b>480.2</b>	<b>424.3</b>	<b>780.8</b>	<b>592.4</b>	<b>518.4</b>
Time on Time	<b>1.1182</b>	<b>1.4057</b>	<b>1.5907</b>	<b>0.8645</b>	<b>1.1394</b>	<b>1.3022</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>855.4</b>	<b>704.4</b>	<b>650.0</b>	<b>629.2</b>	<b>617.5</b>	<b>602.9</b>	<b>600.8</b>
52°	<b>561.8</b>	<b>480.2</b>	<b>459.2</b>	<b>450.9</b>	<b>446.2</b>	<b>440.0</b>	<b>433.2</b>
60°	<b>530.2</b>	<b>466.2</b>	<b>446.3</b>	<b>437.0</b>	<b>431.1</b>	<b>426.2</b>	<b>414.4</b>
75°	<b>507.1</b>	<b>456.5</b>	<b>432.1</b>	<b>414.6</b>	<b>405.0</b>	<b>398.8</b>	<b>386.1</b>
90°	<b>509.8</b>	<b>456.3</b>	<b>429.3</b>	<b>403.9</b>	<b>384.7</b>	<b>372.7</b>	<b>358.0</b>
110°	<b>543.5</b>	<b>460.4</b>	<b>424.9</b>	<b>397.6</b>	<b>379.5</b>	<b>357.8</b>	<b>317.3</b>
120°	<b>563.3</b>	<b>467.9</b>	<b>430.6</b>	<b>396.1</b>	<b>366.6</b>	<b>348.1</b>	<b>311.4</b>
135°	<b>631.1</b>	<b>506.0</b>	<b>453.1</b>	<b>421.6</b>	<b>389.0</b>	<b>356.5</b>	<b>292.0</b>
150°	<b>753.4</b>	<b>600.4</b>	<b>506.7</b>	<b>456.8</b>	<b>426.6</b>	<b>396.3</b>	<b>335.1</b>
Run VMG	<b>869.9</b>	<b>693.3</b>	<b>585.1</b>	<b>520.0</b>	<b>476.7</b>	<b>443.4</b>	<b>387.9</b>

**Certificate**  
Number **000945**  
ORC Ref **GRE01016335**  
Issued On **18/09/2019**  
VPP Ver. **2019 1.01**  
Valid until **28/02/2020**

**Crew Weight**  
Default **787kg**  
Maximum **829kg**  
Minimum\* **622kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**  
ToD ToT  
Non Spin GPH **562.8 1.0661**  
Non Spin OSN **550.2 1.0906**

<b>Selected Courses</b>							
Windward / Leeward	<b>862.6</b>	<b>698.9</b>	<b>617.5</b>	<b>574.6</b>	<b>547.1</b>	<b>523.2</b>	<b>494.3</b>
Circular Random	<b>730.2</b>	<b>593.9</b>	<b>521.8</b>	<b>479.8</b>	<b>452.5</b>	<b>432.6</b>	<b>403.2</b>
Coastal / Long Distance	<b>863.4</b>	<b>658.6</b>	<b>559.0</b>	<b>500.7</b>	<b>465.7</b>	<b>435.1</b>	<b>385.4</b>
Non Spinnaker	<b>776.2</b>	<b>626.7</b>	<b>546.4</b>	<b>499.0</b>	<b>468.5</b>	<b>447.3</b>	<b>418.2</b>

**Sails Limitations**  
Headsails **6** Spinnakers **4**

<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>42.5°</b>	<b>40.8°</b>	<b>38.3°</b>	<b>37.7°</b>	<b>36.9°</b>	<b>36.3°</b>	<b>36.5°</b>
Beat VMG	<b>4.21</b>	<b>5.11</b>	<b>5.54</b>	<b>5.72</b>	<b>5.83</b>	<b>5.97</b>	<b>5.99</b>
52°	<b>6.41</b>	<b>7.50</b>	<b>7.84</b>	<b>7.98</b>	<b>8.07</b>	<b>8.18</b>	<b>8.31</b>
60°	<b>6.79</b>	<b>7.72</b>	<b>8.07</b>	<b>8.24</b>	<b>8.35</b>	<b>8.45</b>	<b>8.69</b>
75°	<b>7.10</b>	<b>7.89</b>	<b>8.33</b>	<b>8.68</b>	<b>8.89</b>	<b>9.03</b>	<b>9.32</b>
90°	<b>7.06</b>	<b>7.89</b>	<b>8.39</b>	<b>8.91</b>	<b>9.36</b>	<b>9.66</b>	<b>10.06</b>
110°	<b>6.62</b>	<b>7.82</b>	<b>8.47</b>	<b>9.05</b>	<b>9.49</b>	<b>10.06</b>	<b>11.35</b>
120°	<b>6.39</b>	<b>7.69</b>	<b>8.36</b>	<b>9.09</b>	<b>9.82</b>	<b>10.34</b>	<b>11.56</b>
135°	<b>5.70</b>	<b>7.11</b>	<b>7.94</b>	<b>8.54</b>	<b>9.25</b>	<b>10.10</b>	<b>12.33</b>
150°	<b>4.78</b>	<b>6.00</b>	<b>7.10</b>	<b>7.88</b>	<b>8.44</b>	<b>9.08</b>	<b>10.74</b>
Run VMG	<b>4.14</b>	<b>5.19</b>	<b>6.15</b>	<b>6.92</b>	<b>7.55</b>	<b>8.12</b>	<b>9.28</b>
Gybe Angles	<b>141.2°</b>	<b>142.4°</b>	<b>149.2°</b>	<b>156.4°</b>	<b>171.1°</b>	<b>180.0°</b>	<b>180.0°</b>

**Class Division Length**  
CDL = **11.264**

**Storm Sails Areas**  
Heavy Weather Jib **35.49**  
Storm Jib (JL=10.54) **13.15**  
Storm Trysail **16.78**

**Owner**

<b>BOAT</b>			
Name	ELLINIX FARR AWAY	Sail Nr	GRE-40
File	GR40	Data in	meters/kilograms

<b>INCLINING TEST AND FREEBOARDS</b>					
Inclining Test <b>Current Inclining</b>					
Flotation date <b>21/07/2019</b>				SG <b>1.0250</b>	
FFM	<b>1.334</b>	FF	<b>1.333</b>	SFFP	<b>0.152</b>
FAM	<b>1.021</b>	FA	<b>1.024</b>	SAFP	<b>11.954</b>
W1	<b>88.0</b>	PD1	<b>259.0</b>	WD	<b>13.500</b>
W2	<b>88.0</b>	PD2	<b>259.0</b>	GSA	<b>50.2</b>
W3	<b>88.0</b>	PD3	<b>259.0</b>	RSA	<b>5941.7</b>
W4	<b>88.0</b>	PD4	<b>259.0</b>	PLM	<b>2069.0</b>
LCF from stem on CL / on sheer				<b>6.827 / 7.080</b>	
Maximum beam station from stem				<b>8.199</b>	
RM Measured				<b>164.7kg-m</b>	
RM Default				<b>166.4kg-m</b>	
Limit of positive stability / Stab.Index				<b>127.4° / 123.8</b>	
Freeboard at mast at 4.705				<b>1.195</b>	



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<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>16.700</b>	E	<b>5.740</b>	MDT1	<b>0.121</b>
IG	<b>16.179</b>	J	<b>4.705</b>	MDL1	<b>0.240</b>
ISP	<b>16.206</b>	SFJ	<b>0.000</b>	MDT2	<b>0.090</b>
BAS	<b>1.745</b>	SPL	<b>4.980</b>	MDL2	<b>0.104</b>
FSP	<b>0.068</b>	TPS		MWT	<b>176.70</b>
				TL	<b>1.993</b>
				MW	<b>0.240</b>
				GO	<b>0.250</b>
				BD	<b>0.225</b>
				MWT	<b>176.70</b>
				MCG	<b>5.497</b>

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

<b>PROPELLER</b>			
Installation	<b>Strut</b>	PRD	<b>0.407</b>
Type	<b>Folding 2 blades</b>	PBW	
Twin Screw	<b>No</b>	PIPA	<b>0.0035</b>
ST1	<b>0.041</b>	ST3	<b>0.268</b>
ST2	<b>0.111</b>	ST4	<b>0.702</b>

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<b>COMMENTS</b>	
ex "ATALANTI XI"	

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

<b>CENTERBOARD</b>	
N/A	



<b>SAILS (Maximum Areas)</b>									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.180	1.46	2.58	4.19	5.21	62.54	64.44	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	16.03	16.03	16.03	8.47	8.27	112.61		SL · (SFL + 4·SHW) / 6	
Asymmetric	Not Available								

<b>HEADSAILS</b>												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0.09	0.69	1.32	2.55	3.72	4.84	16.20	40.55	Y		19/07/2019	Carbon	3DL #66 Medium
0.09	0.68	1.32	2.55	3.70	4.86	16.10	40.26	Y		24/07/2019	Carbon	3DL Light
0.10	0.63	1.20	2.35	3.59	4.84	16.05	38.56	Y		24/07/2019	Kevlar	3DL Heavy
0.04	0.62	1.18	2.21	3.13	3.99	15.35	32.56		Y	23/06/2016	Unknow	staysail

<b>MEASUREMENT INVENTORY</b>				
Measurer	<b>GRE-16</b>			
Date	<b>21/07/2019</b>			
Comment				
Id	Item	Weight	Distance	VCG Description
Id	Item	Maker	Model	
1	Engine	YANMAR	3GM30FG	
Id	Item	Weight Description		

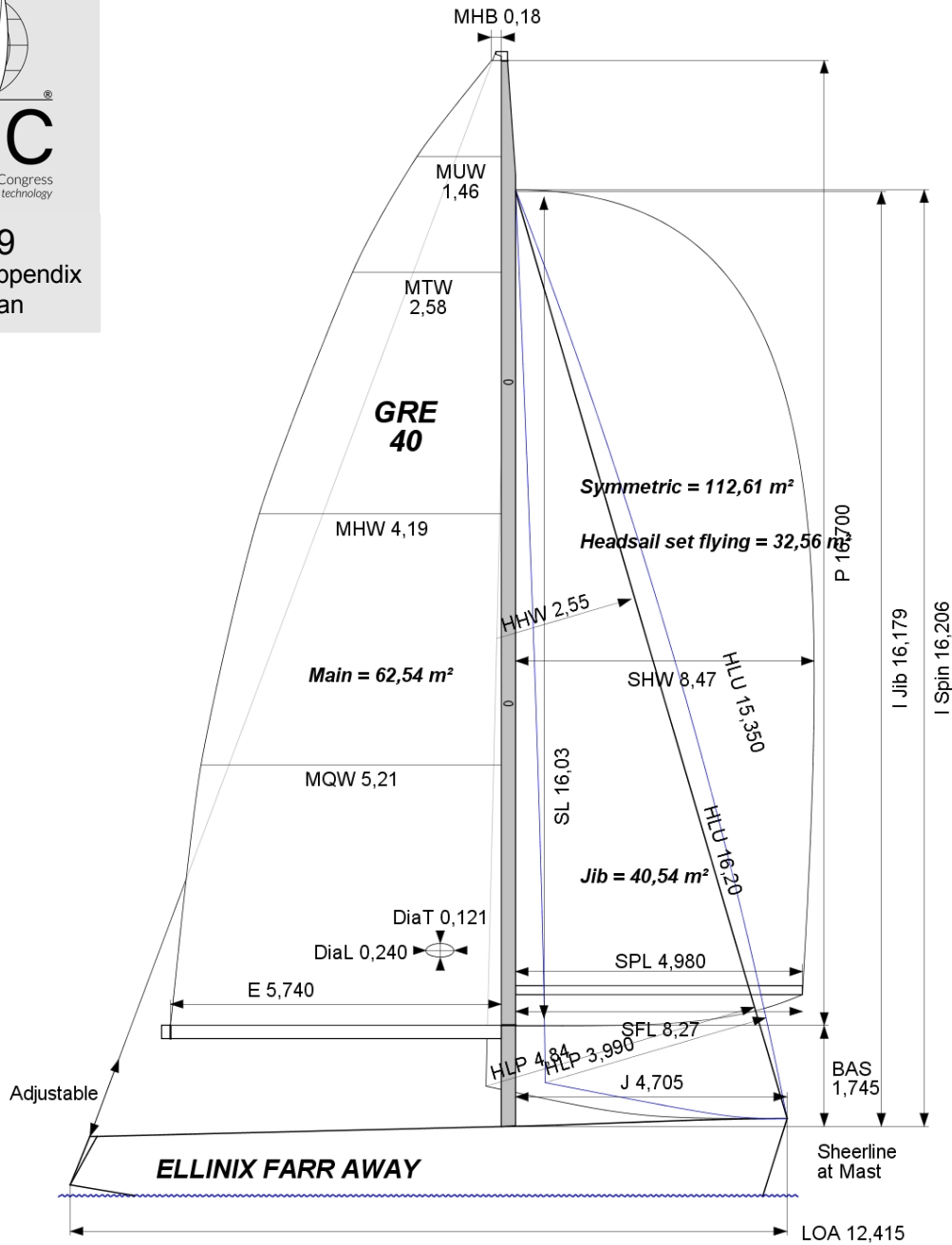
<b>MEASUREMENT INVENTORY</b>									
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description	
2	Tank	WATER	PLASTIC BAG	160.0	6.20	0.00	0-0	empty	
1	Tank	DIESEL	ALUM	75.0	8.70	0.15	31-0	31 lt	
Id	Item	Weight	Distance	VCG Description					
3	Battery		7.65	-0.05 55Ah					
2	Battery		7.10	0.10 100Ah starboard					
1	Battery		7.10	0.10 100Ah port					
1	Misc	17.8	5.25	0.00 mast jack pump					



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Sail Plan



**SAILS INVENTORY**

**MAINSAIL (1)**

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.18	1.46	2.58	4.19	5.21	62.55		19/07/2019	NorthSails	Carbon	3DL #54

**HEADSAILS (4)**

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
J2	0.09	0.69	1.32	2.55	3.72	4.84	16.20	103%	40.55	Y			19/07/2019	NorthSails	Carbon	3DL #66 Medium
J1	0.09	0.68	1.32	2.55	3.70	4.86	16.10	103%	40.26	Y			24/07/2019	NorthSails	Carbon	3DL Light
J3	0.10	0.63	1.20	2.35	3.59	4.84	16.05	103%	38.56	Y			24/07/2019	NorthSails	Kevlar	3DL Heavy
SS	0.04	0.62	1.18	2.21	3.13	3.99	15.35	85%	32.56		Y		23/06/2016		Unknow	staysail

**SYMMETRIC SPINNAKERS (1)**

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
2	16.03	16.03	16.03	8.47	8.27	112.62		15/12/2004	North sails	Unknown	norlite s2 #52

**ASYMMETRIC SPINNAKERS (0)**

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
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