

<b>BOAT</b> Name <b>LYNX</b> Sail Nr <b>GER 6400</b>	<b>GPH</b> <b>545.8</b>	<b>HULL</b> Length Overall <b>15.220m</b> Maximum Beam <b>4.294m</b> Displacement <b>13,053kg</b> Draft <b>2.970m</b> IMS Reg. Division <b>Cruiser/Racer</b> Dynamic Allowance <b>0.084%</b> Fwd Accommodation <b>Yes</b> Hull Construction <b>Cored</b> Carbon Rudder <b>No</b> Crew Arm Extension
<b>GENERAL</b> Class <b>X-50</b> Designer <b>JEPPESEN</b> Builder <b>X-YACHTS</b> Series <b>04/2005, CIN DK-XYA50018H506</b> Age <b>09/2005</b> Age Allowance <b>0.455%</b> Offset File <b>X50.OFF - 09/05/2005 18:46:00</b> Measurement by - <b>12/04/2010</b>		IMSL <b>13.461m</b> VCGD <b>0.110m</b> Sink <b>33.57kg/mm</b> RL <b>11.331m</b> VCGM <b>0.098m</b> WS <b>44.50m<sup>2</sup></b> LSM0 <b>13.388m</b> Displacement/Length ratio <b>5.4396</b>



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	<b>531.5</b>			<b>600.1</b>		
Time on Time	<b>1.1289</b>			<b>1.1248</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>626.6</b>	<b>482.3</b>	<b>433.5</b>	<b>813.0</b>	<b>601.7</b>	<b>526.3</b>
Time on Time	<b>1.0773</b>	<b>1.3996</b>	<b>1.5570</b>	<b>0.8303</b>	<b>1.1219</b>	<b>1.2826</b>

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>903.8</b>	<b>742.8</b>	<b>659.4</b>	<b>627.3</b>	<b>613.3</b>	<b>604.4</b>	<b>589.4</b>
52°	<b>594.0</b>	<b>496.7</b>	<b>450.0</b>	<b>434.8</b>	<b>428.7</b>	<b>425.9</b>	<b>417.5</b>
60°	<b>562.4</b>	<b>474.5</b>	<b>435.7</b>	<b>421.7</b>	<b>416.4</b>	<b>413.6</b>	<b>407.0</b>
75°	<b>538.3</b>	<b>459.6</b>	<b>426.1</b>	<b>410.4</b>	<b>401.2</b>	<b>396.4</b>	<b>392.2</b>
90°	<b>543.5</b>	<b>462.2</b>	<b>425.2</b>	<b>408.1</b>	<b>394.5</b>	<b>383.3</b>	<b>369.8</b>
110°	<b>559.9</b>	<b>460.8</b>	<b>418.8</b>	<b>398.2</b>	<b>384.9</b>	<b>374.8</b>	<b>358.8</b>
120°	<b>577.9</b>	<b>473.3</b>	<b>425.4</b>	<b>402.1</b>	<b>382.1</b>	<b>363.2</b>	<b>341.7</b>
135°	<b>649.0</b>	<b>524.0</b>	<b>452.5</b>	<b>418.6</b>	<b>397.8</b>	<b>377.7</b>	<b>337.8</b>
150°	<b>774.9</b>	<b>615.3</b>	<b>519.9</b>	<b>459.1</b>	<b>427.5</b>	<b>408.8</b>	<b>377.7</b>
Run VMG	<b>894.8</b>	<b>710.5</b>	<b>600.4</b>	<b>530.1</b>	<b>492.6</b>	<b>464.0</b>	<b>411.8</b>

**Certificate**  
Number **141450**  
ORC Ref **GER30010120**  
Issued On **14/05/2019**  
VPP Ver. **2019 1.01**  
Valid until **01/01/2020**

**Crew Weight**  
Default **1,044kg**  
Maximum **800kg**  
Minimum\* **600kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

Special Scoring	
ToD	ToT
Double H.GPH <b>551.2</b>	<b>1.0885</b>
Double H.OSN <b>537.7</b>	<b>1.1158</b>
Non Spin GPH <b>575.5</b>	<b>1.0426</b>
Non Spin OSN <b>560.9</b>	<b>1.0697</b>

Selected Courses							
Windward / Leeward	<b>899.3</b>	<b>726.6</b>	<b>629.9</b>	<b>578.7</b>	<b>553.0</b>	<b>534.2</b>	<b>500.6</b>
Circular Random	<b>752.2</b>	<b>606.6</b>	<b>529.2</b>	<b>485.0</b>	<b>458.5</b>	<b>441.2</b>	<b>417.9</b>
Coastal / Long Distance	<b>898.8</b>	<b>682.6</b>	<b>565.9</b>	<b>500.9</b>	<b>468.1</b>	<b>441.4</b>	<b>399.0</b>
Non Spinnaker	<b>807.1</b>	<b>645.5</b>	<b>557.5</b>	<b>505.6</b>	<b>473.2</b>	<b>451.7</b>	<b>423.6</b>

Sails Limitations	
Headsails	Spinnakers
<b>7</b>	<b>5</b>

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	<b>42.7°</b>	<b>41.0°</b>	<b>40.1°</b>	<b>39.2°</b>	<b>38.8°</b>	<b>38.4°</b>	<b>38.6°</b>
Beat VMG	<b>3.98</b>	<b>4.85</b>	<b>5.46</b>	<b>5.74</b>	<b>5.87</b>	<b>5.96</b>	<b>6.11</b>
52°	<b>6.06</b>	<b>7.25</b>	<b>8.00</b>	<b>8.28</b>	<b>8.40</b>	<b>8.45</b>	<b>8.62</b>
60°	<b>6.40</b>	<b>7.59</b>	<b>8.26</b>	<b>8.54</b>	<b>8.65</b>	<b>8.70</b>	<b>8.85</b>
75°	<b>6.69</b>	<b>7.83</b>	<b>8.45</b>	<b>8.77</b>	<b>8.97</b>	<b>9.08</b>	<b>9.18</b>
90°	<b>6.62</b>	<b>7.79</b>	<b>8.47</b>	<b>8.82</b>	<b>9.13</b>	<b>9.39</b>	<b>9.73</b>
110°	<b>6.43</b>	<b>7.81</b>	<b>8.60</b>	<b>9.04</b>	<b>9.35</b>	<b>9.60</b>	<b>10.03</b>
120°	<b>6.23</b>	<b>7.61</b>	<b>8.46</b>	<b>8.95</b>	<b>9.42</b>	<b>9.91</b>	<b>10.54</b>
135°	<b>5.55</b>	<b>6.87</b>	<b>7.96</b>	<b>8.60</b>	<b>9.05</b>	<b>9.53</b>	<b>10.66</b>
150°	<b>4.65</b>	<b>5.85</b>	<b>6.92</b>	<b>7.84</b>	<b>8.42</b>	<b>8.81</b>	<b>9.53</b>
Run VMG	<b>4.02</b>	<b>5.07</b>	<b>6.00</b>	<b>6.79</b>	<b>7.31</b>	<b>7.76</b>	<b>8.74</b>
Gybe Angles	<b>142.4°</b>	<b>146.1°</b>	<b>148.0°</b>	<b>149.4°</b>	<b>150.9°</b>	<b>174.2°</b>	<b>178.0°</b>

**Class Division Length**  
CDL = **12.397**

Storm Sails Areas	
Heavy Weather Jib	<b>57.20</b>
Storm Jib (JL=13.38)	<b>21.19</b>
Storm Trysail	<b>23.42</b>

**Owner**

<b>BOAT</b>	
Name <b>LYNX</b>	Sail Nr <b>GER 6400</b>
File <b>GER6400</b>	Data in <b>meters/kilograms</b>

<b>RIG</b>	
Forestay Tension <b>Aft</b>	Spreaders <b>3</b>
Inner Stay <b>None Fitted</b>	Runners <b>0</b>
Carbon Mast <b>No</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>19.680</b>	E <b>6.800</b> MDT1 <b>0.159</b> MW <b>0.306</b>
IG <b>20.510</b>	J <b>5.640</b> MDL1 <b>0.307</b> GO <b>0.326</b>
ISP <b>20.510</b>	SFJ <b>0.392</b> MDT2 <b>0.152</b> BD <b>0.326</b>
BAS <b>1.920</b>	SPL <b>0.000</b> MDL2 <b>0.265</b> MWT <b>511.00</b>
FSP <b>0.090</b>	TPS <b>5.840</b> TL <b>0.960</b> MCG <b>4.620</b>

<b>INCLINING TEST AND FREEBOARDS</b>		
Inclining Test <b>Current Inclining</b>		
Flotation date <b>12/04/2010</b>	SG <b>1.0100</b>	
FFM <b>1.694</b>	FF <b>1.731</b>	SFFP <b>0.350</b>
FAM <b>1.354</b>	FA <b>1.349</b>	SAFP <b>14.588</b>
W1 <b>140.0</b>	PD1 <b>449.6</b>	WD <b>14.350</b>
W2 <b>140.0</b>	PD2 <b>449.0</b>	GSA <b>1.0</b>
W3 <b>140.0</b>	PD3 <b>450.0</b>	RSA <b>1.0</b>
W4 <b>140.0</b>	PD4 <b>450.0</b>	PLM <b>9000.0</b>
LCF from stem on CL / on sheer	<b>8.522 / 8.763</b>	
Maximum beam station from stem	<b>9.685</b>	
RM Measured	<b>351.8kg-m</b>	
RM Default	<b>418.4kg-m</b>	
Limit of positive stability / Stab.Index	<b>117.8° / 126.0</b>	
Freeboard at mast at 6.032	<b>1.470</b>	



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

<b>PROPELLER</b>		
Installation <b>Strut</b>	PRD <b>0.540</b>	
Type <b>Folding 2 blades</b>	PBW	
Twin Screw <b>No</b>	PIPA <b>0.0039</b>	
ST1 <b>0.048</b>	ST3	ST5 <b>0.295</b>
ST2	ST4 <b>0.112</b>	EDL <b>3.680</b>

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<b>COMMENTS</b>	
SPL 5,64 TPS 5,84	

<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	
	0.170	1.32	2.25	4.08	5.49	75.57	76.62	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric Not Available									
Asymmetric on centerline	SLU	SLE	SL	SHW	SFL	Area	Formula		
	22.04	18.41	20.23	9.68	10.11	164.60	AS · (SFL + 4·SHW) / 6		

<b>HEADSAILS</b>												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
<b>HBB</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>
0.09	0.83	1.58	3.04	4.47	5.82	20.26	60.80	Y			PBO	
0.06	0.62	1.17	2.31	3.59	5.06	17.94	43.43				Kevlar	

<b>MEASUREMENT INVENTORY</b>				
Measurer <b>KALL</b>				
Date <b>12/04/2010</b>				
Comment				
<b>Id</b>	<b>Item</b>	<b>Weight</b>	<b>Distance</b>	<b>VCG Description</b>
4	Ancher	20.0	4.50	
4	Chain	140.0	4.00	
<b>Id</b>	<b>Item</b>	<b>Weight</b>	<b>Distance</b>	<b>VCG Description</b>

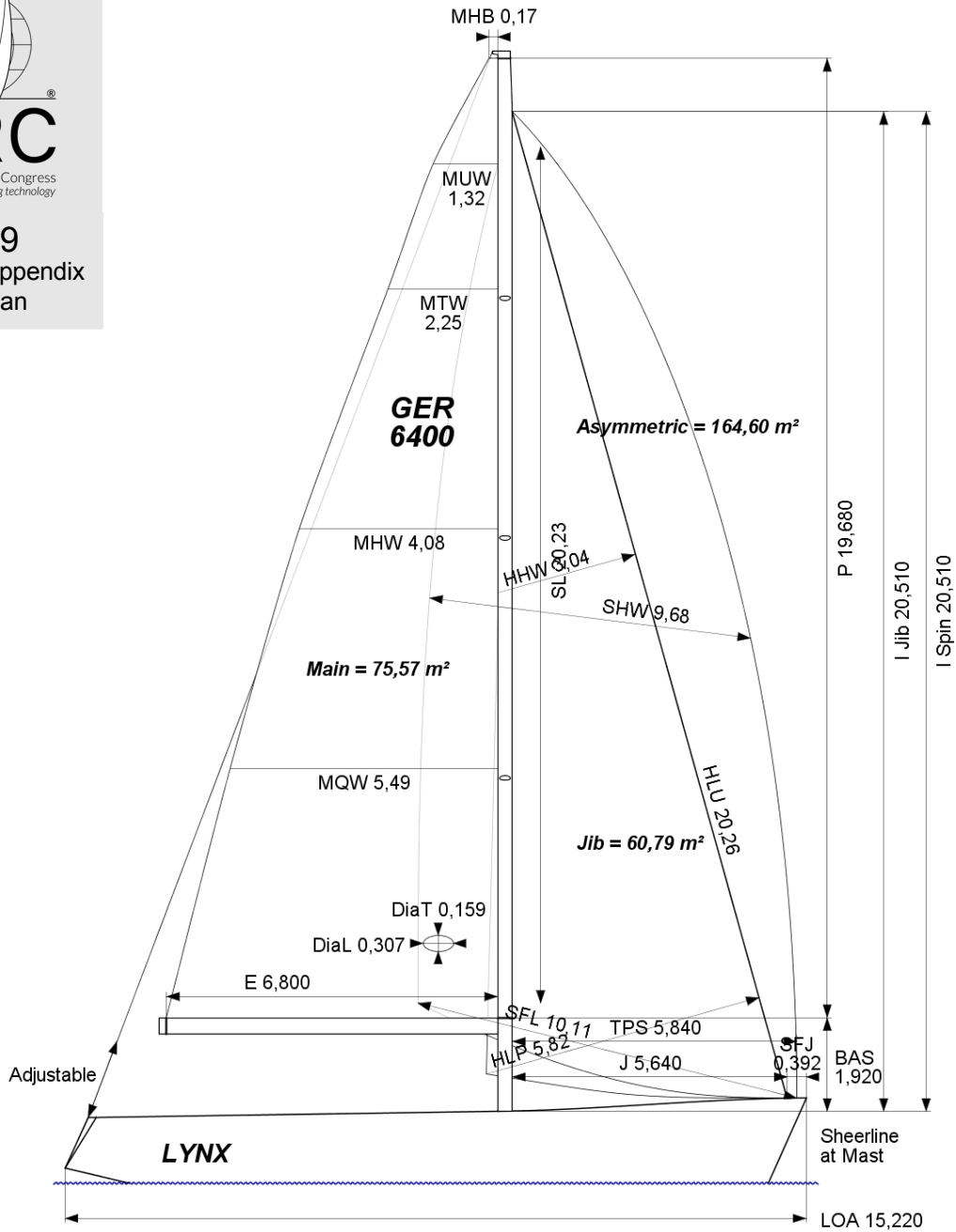
<b>MEASUREMENT INVENTORY</b>									
<b>Id</b>	<b>Item</b>	<b>Tank Use</b>	<b>Tank Type</b>	<b>Capcty</b>	<b>Dist.</b>	<b>VCG</b>	<b>Condtn</b>	<b>Description</b>	
1	Tank fuel 1			172.0	8.60		0-0	empty	
2	Tank fuel 2			175.0	9.50		100-0	full	
3	Tank water 1+2			281.0	7.40		0-0	empty	
4	Tank water 3			170.0	8.60		0-0	empty	
5	Tank holding 1+2			110.0	6.15		0-0	both empty. hold2 on	
<b>Id</b>	<b>Item</b>	<b>Weight</b>	<b>Distance</b>	<b>VCG Description</b>					



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**SAILS INVENTORY**

**MAINSAIL (1)**

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.17	1.32	2.25	4.08	5.49	75.58			NORTH	Kevlar	3DL Maraton

**HEADSAILS (2)**

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
193725	0.09	0.83	1.58	3.04	4.47	5.82	20.26	103%	60.80	Y				UK	PBO	
2	0.06	0.62	1.17	2.31	3.59	5.06	17.94	90%	43.43					UK	Kevlar	

**SYMMETRIC SPINNAKERS (0)**

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
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**ASYMMETRIC SPINNAKERS (1)**

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
1	22.04	18.41	20.23	9.68	10.11	164.60	asym			UK	Nylon	