

<b>BOAT</b> Name <b>Ventoux</b> Sail Nr <b>DEN 125</b>	<b>GPH</b> <b>623.3</b>	<b>HULL</b> Length Overall <b>11.345m</b> Maximum Beam <b>3.468m</b> Displacement <b>7,319kg</b> Draft <b>2.054m</b> IMS Reg. Division <b>Cruiser/Racer</b> Dynamic Allowance <b>0.248%</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-37</b> Designer <b>Jeppesen</b> Builder <b>X-Yachts</b> Series <b>01/2004</b> Age <b>01/2008</b> Age Allowance <b>0.487%</b> Offset File <b>X37ND.OFF - 26/04/2005 10:46:14</b> Measurement by - <b>19/05/2014</b>		IMSL <b>10.366m</b> VCGD <b>0.155m</b> Sink <b>21.16kg/mm</b> RL <b>8.526m</b> VCGM <b>0.109m</b> WS <b>28.75m<sup>2</sup></b> LSM0 <b>10.394m</b> Displacement/Length ratio <b>6.5178</b>



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	<b>606.4</b>			<b>677.0</b>		
Time on Time	<b>0.9895</b>			<b>0.9971</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>713.8</b>	<b>551.9</b>	<b>494.9</b>	<b>922.8</b>	<b>681.0</b>	<b>590.2</b>
Time on Time	<b>0.9457</b>	<b>1.2231</b>	<b>1.3638</b>	<b>0.7315</b>	<b>0.9912</b>	<b>1.1437</b>

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1047.6</b>	<b>871.3</b>	<b>771.7</b>	<b>723.2</b>	<b>705.6</b>	<b>698.8</b>	<b>684.2</b>
52°	<b>683.8</b>	<b>579.8</b>	<b>522.4</b>	<b>500.0</b>	<b>492.4</b>	<b>489.0</b>	<b>483.7</b>
60°	<b>646.1</b>	<b>551.4</b>	<b>505.7</b>	<b>487.0</b>	<b>478.9</b>	<b>475.3</b>	<b>471.9</b>
75°	<b>617.4</b>	<b>530.8</b>	<b>494.1</b>	<b>476.0</b>	<b>464.4</b>	<b>456.9</b>	<b>451.0</b>
90°	<b>624.1</b>	<b>531.9</b>	<b>489.0</b>	<b>473.7</b>	<b>459.4</b>	<b>446.7</b>	<b>427.9</b>
110°	<b>632.5</b>	<b>524.9</b>	<b>482.3</b>	<b>460.3</b>	<b>442.3</b>	<b>430.6</b>	<b>413.4</b>
120°	<b>652.2</b>	<b>537.5</b>	<b>487.7</b>	<b>463.7</b>	<b>443.5</b>	<b>423.7</b>	<b>396.9</b>
135°	<b>721.8</b>	<b>589.7</b>	<b>513.5</b>	<b>479.6</b>	<b>458.4</b>	<b>437.9</b>	<b>397.7</b>
150°	<b>854.7</b>	<b>680.1</b>	<b>577.1</b>	<b>512.2</b>	<b>480.7</b>	<b>460.5</b>	<b>421.7</b>
Run VMG	<b>986.9</b>	<b>785.3</b>	<b>665.8</b>	<b>585.1</b>	<b>529.2</b>	<b>491.1</b>	<b>450.3</b>

**Certificate**

Number **32777**  
ORC Ref **DEN00000540**  
Issued On **05/06/2019**  
VPP Ver. **2019 1.01**  
Valid until **31/12/2019**

**Crew Weight**

Default **727kg**  
Maximum **705kg**  
Minimum\* **529kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr

**Special Scoring**

	ToD	ToT
Double H.GPH	<b>631.9</b>	<b>0.9495</b>
Double H.OSN	<b>616.2</b>	<b>0.9737</b>
Non Spin GPH	<b>653.0</b>	<b>0.9188</b>
Non Spin OSN	<b>634.1</b>	<b>0.9463</b>

Selected Courses							
Windward / Leeward	<b>1017.2</b>	<b>828.3</b>	<b>718.7</b>	<b>654.1</b>	<b>617.4</b>	<b>594.9</b>	<b>567.3</b>
Circular Random	<b>856.6</b>	<b>692.3</b>	<b>604.6</b>	<b>554.2</b>	<b>523.7</b>	<b>503.9</b>	<b>479.0</b>
Coastal / Long Distance	<b>1014.2</b>	<b>777.7</b>	<b>646.9</b>	<b>571.5</b>	<b>533.5</b>	<b>504.7</b>	<b>458.4</b>
Non Spinnaker	<b>911.3</b>	<b>730.6</b>	<b>632.7</b>	<b>575.5</b>	<b>540.5</b>	<b>518.0</b>	<b>490.3</b>

**Sails Limitations**

Headsails	Spinnakers
<b>5</b>	<b>3</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>42.9°</b>	<b>41.2°</b>	<b>41.0°</b>	<b>40.3°</b>	<b>39.6°</b>	<b>39.5°</b>	<b>39.0°</b>
Beat VMG	<b>3.44</b>	<b>4.13</b>	<b>4.67</b>	<b>4.98</b>	<b>5.10</b>	<b>5.15</b>	<b>5.26</b>
52°	<b>5.26</b>	<b>6.21</b>	<b>6.89</b>	<b>7.20</b>	<b>7.31</b>	<b>7.36</b>	<b>7.44</b>
60°	<b>5.57</b>	<b>6.53</b>	<b>7.12</b>	<b>7.39</b>	<b>7.52</b>	<b>7.57</b>	<b>7.63</b>
75°	<b>5.83</b>	<b>6.78</b>	<b>7.29</b>	<b>7.56</b>	<b>7.75</b>	<b>7.88</b>	<b>7.98</b>
90°	<b>5.77</b>	<b>6.77</b>	<b>7.36</b>	<b>7.60</b>	<b>7.84</b>	<b>8.06</b>	<b>8.41</b>
110°	<b>5.69</b>	<b>6.86</b>	<b>7.46</b>	<b>7.82</b>	<b>8.14</b>	<b>8.36</b>	<b>8.71</b>
120°	<b>5.52</b>	<b>6.70</b>	<b>7.38</b>	<b>7.76</b>	<b>8.12</b>	<b>8.50</b>	<b>9.07</b>
135°	<b>4.99</b>	<b>6.10</b>	<b>7.01</b>	<b>7.51</b>	<b>7.85</b>	<b>8.22</b>	<b>9.05</b>
150°	<b>4.21</b>	<b>5.29</b>	<b>6.24</b>	<b>7.03</b>	<b>7.49</b>	<b>7.82</b>	<b>8.54</b>
Run VMG	<b>3.65</b>	<b>4.58</b>	<b>5.41</b>	<b>6.15</b>	<b>6.80</b>	<b>7.33</b>	<b>7.99</b>
Gybe Angles	<b>144.7°</b>	<b>149.7°</b>	<b>151.4°</b>	<b>156.2°</b>	<b>173.5°</b>	<b>180.0°</b>	<b>180.0°</b>

**Class Division Length**

CDL = **9.446**

**Storm Sails Areas**

Heavy Weather Jib **32.52**  
Storm Jib (JL=10.09) **12.05**  
Storm Trysail **13.30**

**Owner**

<b>BOAT</b>	
Name <b>Ventoux</b>	Sail Nr <b>DEN 125</b>
File <b>32777 - X37 - DEN</b>	Data in <b>meters/kilograms</b>

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Current Inclining</b>			
Flotation date <b>19/05/2014</b>		SG <b>1.0200</b>	
FFM <b>1.363</b>	FF <b>1.364</b>	SFFP <b>0.250</b>	
FAM <b>1.045</b>	FA <b>1.048</b>	SAFP <b>10.800</b>	
W1 <b>80.0</b>	PD1 <b>500.3</b>	WD <b>11.300</b>	
W2 <b>80.0</b>	PD2 <b>500.7</b>	GSA <b>1.0</b>	
W3 <b>80.0</b>	PD3 <b>500.5</b>	RSA <b>1.0</b>	
W4 <b>80.0</b>	PD4 <b>500.7</b>	PLM <b>9000.0</b>	
LCF from stem on CL / on sheer		<b>6.431 / 6.646</b>	
Maximum beam station from stem		<b>7.700</b>	
RM Measured		<b>142.2kg-m</b>	
RM Default		<b>171.0kg-m</b>	
Limit of positive stability / Stab.Index		<b>112.2° / 118.0</b>	
Freeboard at mast at 4.350		<b>1.152</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>No</b>	Jumper Struts <b>None</b>		
Taper Hollows <b>No</b>	Jib Furler <b>Yes</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>14.900</b>	E <b>5.100</b>	MDT1 <b>0.124</b>	MW <b>0.206</b>
IG <b>15.410</b>	J <b>4.130</b>	MDL1 <b>0.206</b>	GO <b>0.235</b>
ISP <b>15.446</b>	SFJ <b>0.220</b>	MDT2 <b>0.110</b>	BD <b>0.250</b>
BAS <b>1.764</b>	SPL <b>4.105</b>	MDL2 <b>0.185</b>	MWT <b>212.50</b>
FSP <b>0.060</b>	TPS <b>4.305</b>	TL <b>0.810</b>	MCG <b>5.259</b>

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

<b>PROPELLER</b>			
Installation <b>Strut</b>	PRD <b>0.435</b>		
Type <b>Folding 2 blades</b>	PBW <b>0.135</b>		
Twin Screw <b>No</b>	PIPA <b>0.0034</b>		
ST1 <b>0.040</b>	ST3 <b>0.190</b>	ST5 <b>0.260</b>	
ST2 <b>0.190</b>	ST4 <b>0.110</b>	EDL <b>2.300</b>	

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<b>COMMENTS</b>	

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

<b>CENTERBOARD</b>	
N/A	



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<b>SAILS (Maximum Areas)</b>									
<b>Mainsail</b>	<b>MHB</b>	<b>MUW</b>	<b>MTW</b>	<b>MHW</b>	<b>MQW</b>	<b>Area</b>	<b>Area (r)</b>	<b>Formula</b>	
	0.140	1.02	1.80	3.15	4.19	43.90	44.61	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
<b>Symmetric</b>	<b>SLU</b>	<b>SLE</b>	<b>SL</b>	<b>SHW</b>	<b>SFL</b>				
	15.18	15.18	15.18	7.35	7.87	94.29		SL · (SFL + 4·SHW) / 6	
<b>Asymmetric</b>									
Not Available									

<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>
0.13	0.72	1.35	2.46	3.47	4.41	15.29	36.20	Y		30/06/2016	Technor	
0.09	0.61	1.16	2.35	3.33	4.39	15.22	34.41	Y		10/05/2014	Unknow	

<b>MEASUREMENT INVENTORY</b>				
Measurer				
Date <b>19/05/2014</b>				
Comment				
<b>Id</b>	<b>Item</b>	<b>Weight</b>	<b>Distance</b>	<b>VCG Description</b>
<b>Id</b>	<b>Item</b>	<b>Maker</b>	<b>Model</b>	
1	Engine	Yanmar	3YN-30	
<b>Id</b>	<b>Item</b>	<b>Weight Description</b>		
Fwd-Items				

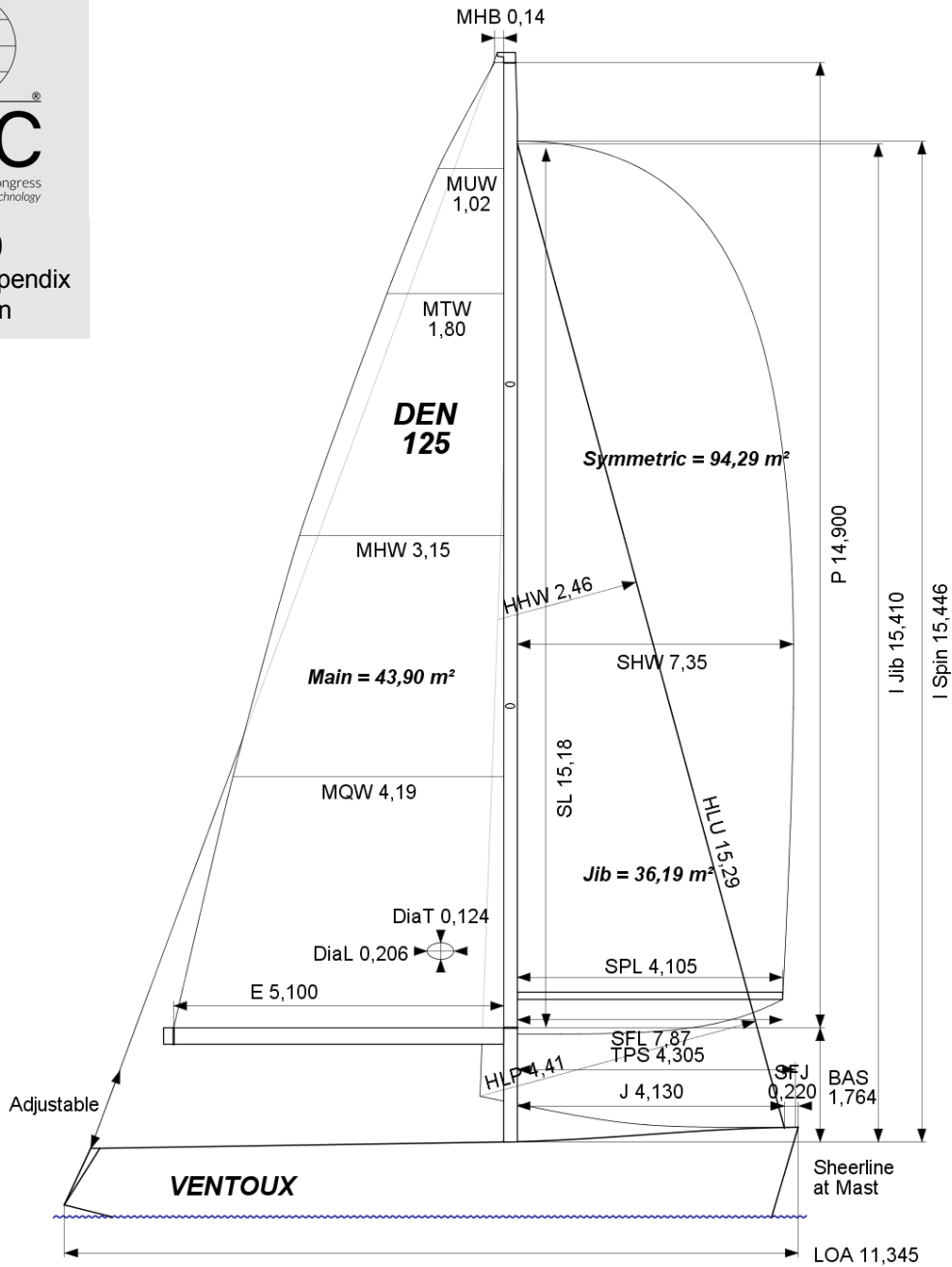
<b>MEASUREMENT INVENTORY</b>								
<b>Id</b>	<b>Item</b>	<b>Tank Use</b>	<b>Tank Type</b>	<b>Capcty</b>	<b>Dist.</b>	<b>VCG</b>	<b>Condtn</b>	<b>Description</b>
1	Tank	Water	Plastic	170.0	5.20	-0.10	0-0	
2	Tank	Diesel	stainless	100.0	8.82	-0.06	15-0	
3	Tank	Holding	Plastic	40.0	8.59	0.76	0-0	
<b>Id</b>	<b>Item</b>	<b>Weight</b>	<b>Distance</b>	<b>VCG Description</b>				
1	Battery		5.65	120 Ah 2 pies				
2	Battery		5.08	120 Ah				
3	Battery		7.33	95 Ah				
1	Misc	30.0	1.68	0.02 Bow thruster				



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**SAILS INVENTORY**

**MAINSAIL (1)**

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.14	1.02	1.80	3.15	4.19	43.90		21/05/2014	Elvstrom	Unknown	

**HEADSAILS (2)**

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
92531	0.13	0.72	1.35	2.46	3.47	4.41	15.29	107%	36.20	Y			30/06/2016	Elvstrom	Technor	
1	0.09	0.61	1.16	2.35	3.33	4.39	15.22	106%	34.41	Y			10/05/2014	Elvstrom	Unknow	

**SYMMETRIC SPINNAKERS (1)**

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	15.18	15.18	15.18	7.35	7.87	94.30		21/05/2014		Unknown	

**ASYMMETRIC SPINNAKERS (0)**

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