

<b>BOAT</b>
Name <b>BOSSA NOVA</b> Sail Nr <b>EST 379</b>

<b>GPH</b>
<b>620,3</b>

<b>HULL</b>	Length Overall	<b>10,640 m</b>
	Maximum Beam	<b>3,450 m</b>
	Displacement	<b>5 630 kg</b>
	Draft	<b>2,225 m</b>
	IMS Reg. Division	<b>Cruiser/Racer</b>
	Dynamic Allowance	<b>0,251%</b>
	Fwd Accommodation	<b>Yes</b>
	Hull Construction	<b>Solid</b>
	Carbon Rudder	<b>No</b>
	Trim Tab	<b>No</b>
IMS L	<b>9,781</b>	VCGD <b>0,140</b> VCGM <b>0,127</b>
Sink	<b>19,28 kg/mm</b>	Wetted Area <b>25,22 m<sup>2</sup></b>



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<b>GENERAL</b>
Class <b>First 36.7</b>
Designer <b>B.Farr</b>
Builder <b>Beneteau S.A.</b>
Series <b>01.2001</b>
Age <b>05.2005</b>
Age Allowance <b>0,520%</b>
Offset File <b>F196.BOF - 5.09.2002 9:35:34</b>
Measurement by <b>A.Tetsmann - 12.05.2005</b>

<b>SCORING OPTIONS</b>	<b>OFFSHORE</b> COASTAL / LONG DISTANCE			<b>INSHORE</b> WINDWARD / LEEWARD		
Time On Distance	<b>620,3</b>			<b>688,9</b>		
Time On Time	<b>0,9673</b>			<b>0,9798</b>		
Performance Line	PLT	PLD		PLT	PLD	
	<b>0,867</b>	<b>115,2</b>		<b>1,046</b>	<b>317,0</b>	
Triple Number	Low	Medium	High	Low	Medium	High
	<b>0,9490</b>	<b>1,2284</b>	<b>1,3809</b>	<b>0,7230</b>	<b>0,9927</b>	<b>1,1518</b>

<b>Rating Office</b>
<b>Estonian Yachting Union</b> <b>Veiko Rosme</b> Regati 1, 11911, Tallinn Estonia

<b>TIME ALLOWANCES</b>	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1043,8</b>	<b>851,3</b>	<b>754,7</b>	<b>714,0</b>	<b>689,7</b>	<b>674,7</b>	<b>662,8</b>
52°	<b>675,4</b>	<b>565,3</b>	<b>518,9</b>	<b>497,0</b>	<b>486,5</b>	<b>480,2</b>	<b>474,9</b>
60°	<b>629,4</b>	<b>543,6</b>	<b>501,9</b>	<b>479,7</b>	<b>471,0</b>	<b>465,3</b>	<b>459,7</b>
75°	<b>594,1</b>	<b>527,4</b>	<b>485,3</b>	<b>467,9</b>	<b>450,9</b>	<b>442,8</b>	<b>434,4</b>
90°	<b>583,8</b>	<b>511,3</b>	<b>474,1</b>	<b>453,6</b>	<b>444,7</b>	<b>436,8</b>	<b>414,5</b>
110°	<b>598,4</b>	<b>523,9</b>	<b>484,8</b>	<b>459,4</b>	<b>434,7</b>	<b>414,8</b>	<b>397,3</b>
120°	<b>641,8</b>	<b>542,8</b>	<b>497,1</b>	<b>469,4</b>	<b>446,2</b>	<b>422,6</b>	<b>381,3</b>
135°	<b>743,9</b>	<b>593,5</b>	<b>529,4</b>	<b>491,2</b>	<b>466,8</b>	<b>445,6</b>	<b>403,9</b>
150°	<b>891,4</b>	<b>701,6</b>	<b>586,3</b>	<b>529,8</b>	<b>493,4</b>	<b>469,4</b>	<b>429,2</b>
Run VMG	<b>1029,3</b>	<b>810,2</b>	<b>676,0</b>	<b>595,3</b>	<b>543,0</b>	<b>505,9</b>	<b>460,4</b>

<b>Certificate</b>
Number <b>EST379</b> ORC Ref <b>EST00000102</b> Issued On <b>3.05.2009</b> VPP Ver. 1.11 Valid until <b>31.12.2009</b>

<b>Crew Weight</b>
Declared <b>680 kg</b> Default* <b>677 kg</b>

<b>Special Scoring</b>
ToD ToT Double <b>622,9 0,9632</b> Non Spinnaker <b>659,5 0,9098</b>

<b>Selected Courses</b>	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Windward / Leeward	<b>1055,5</b>	<b>843,4</b>	<b>727,7</b>	<b>663,1</b>	<b>623,5</b>	<b>596,9</b>	<b>567,5</b>
Circular Random	<b>854,1</b>	<b>689,8</b>	<b>601,8</b>	<b>550,7</b>	<b>519,2</b>	<b>498,3</b>	<b>471,4</b>
Ocean for PCS	<b>912,9</b>	<b>721,5</b>	<b>615,4</b>	<b>551,0</b>	<b>509,0</b>	<b>479,1</b>	<b>435,8</b>
Non Spinnaker	<b>927,3</b>	<b>740,4</b>	<b>638,6</b>	<b>578,6</b>	<b>541,2</b>	<b>516,9</b>	<b>487,1</b>

<b>Sails Limitations</b>
Genoa 3   Jibs 2   Spinnakers 3
Spinnaker configuration <b>Symmetric</b>

<b>Storm Sails Areas</b>
Heavy Weather Jib <b>27,11</b> Storm Jib (JL=9,21) <b>10,04</b> Storm Trysail <b>11,52</b>

<b>Velocity Prediction in Knots for True Wind Speeds</b>	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	<b>43,8°</b>	<b>43,6°</b>	<b>40,0°</b>	<b>38,2°</b>	<b>37,3°</b>	<b>36,7°</b>	<b>36,4°</b>
Beat VMG	<b>3,45</b>	<b>4,23</b>	<b>4,77</b>	<b>5,04</b>	<b>5,22</b>	<b>5,34</b>	<b>5,43</b>
52°	<b>5,33</b>	<b>6,37</b>	<b>6,94</b>	<b>7,24</b>	<b>7,40</b>	<b>7,50</b>	<b>7,58</b>
60°	<b>5,72</b>	<b>6,62</b>	<b>7,17</b>	<b>7,50</b>	<b>7,64</b>	<b>7,74</b>	<b>7,83</b>
75°	<b>6,06</b>	<b>6,83</b>	<b>7,42</b>	<b>7,69</b>	<b>7,98</b>	<b>8,13</b>	<b>8,29</b>
90°	<b>6,17</b>	<b>7,04</b>	<b>7,59</b>	<b>7,94</b>	<b>8,10</b>	<b>8,24</b>	<b>8,69</b>
110°	<b>6,02</b>	<b>6,87</b>	<b>7,43</b>	<b>7,84</b>	<b>8,28</b>	<b>8,68</b>	<b>9,06</b>
120°	<b>5,61</b>	<b>6,63</b>	<b>7,24</b>	<b>7,67</b>	<b>8,07</b>	<b>8,52</b>	<b>9,44</b>
135°	<b>4,84</b>	<b>6,07</b>	<b>6,80</b>	<b>7,33</b>	<b>7,71</b>	<b>8,08</b>	<b>8,91</b>
150°	<b>4,04</b>	<b>5,13</b>	<b>6,14</b>	<b>6,79</b>	<b>7,30</b>	<b>7,67</b>	<b>8,39</b>
Run VMG	<b>3,50</b>	<b>4,44</b>	<b>5,33</b>	<b>6,05</b>	<b>6,63</b>	<b>7,12</b>	<b>7,82</b>
Gybe Angles	<b>142,4°</b>	<b>146,8°</b>	<b>151,9°</b>	<b>163,8°</b>	<b>169,3°</b>	<b>172,4°</b>	<b>174,8°</b>

<b>Owner</b>
<b>SAMPO PANK AS</b> Narva mnt.11 Tallinn , Estonia ESS Kalev JK
I certify that I understand my responsibilities under ORC Rules and Regulations
Signature

<b>BOAT</b>	
Name <b>BOSSA NOVA</b>	Sail Nr <b>EST 379</b>
File <b>Est0379.dxt</b>	Data in <b>meters/kilograms</b>

<b>RIG</b>	
Forestay Tension <b>Aft</b>	Spreaders <b>3</b>
Inner Forestay <b>None Fitted</b>	Runners <b>0</b>
Carbon Mast <b>No</b>	Jumpers <b>None</b>
Taper Hollows <b>No</b>	w/o Backstay <b>No</b>
P <b>13,850</b>	E <b>4,755</b> MDT1 <b>0,104</b> TL <b>0,720</b>
IG <b>14,100</b>	J <b>3,990</b> MDL1 <b>0,187</b> MWT <b>149,50</b>
ISP <b>14,130</b>	SFJ <b>0,000</b> MDT2 <b>0,102</b> MCG <b>5,040</b>
SPS <b>3,570</b>	SPL <b>3,995</b> MDL2 <b>0,150</b> CPW <b>2,270</b>
BAS <b>1,580</b>	TPS <b>0,066</b> MW <b>0,187</b> BD <b>0,160</b>
BAL <b>0,152</b>	FSP <b>0,066</b> GO <b>0,207</b> BWT

<b>HEAVY ITEMS</b>	
Bow Thruster <b>No</b>	Generator <b>No</b> Air Condition <b>No</b>
Windlass <b>No</b>	Jib Furler <b>No</b> Desalinator <b>No</b>
Heavy Deck <b>No</b>	Main Furler <b>No</b>
Headliners <b>No</b>	Water Heater <b>No</b>
Anchor Weight	Heavy Items Adjustment <b>0,0000</b>
Anchor LCG	Total Gyradius Adjustment <b>0,0389</b>

<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>12.05.2005</b>	SG <b>1,0020</b>	
FFM <b>1,335</b>	FF <b>1,343</b>	SFFP <b>0,367</b>
FAM <b>1,050</b>	FA <b>1,056</b>	SAFP <b>10,162</b>
W1 <b>74,000</b>	PD1 <b>209,0</b>	WD <b>10,560</b>
W2 <b>74,000</b>	PD2 <b>210,0</b>	GSA <b>12,6</b>
W3 <b>74,000</b>	PD3 <b>208,0</b>	RSA <b>4298,7</b>
W4 <b>74,000</b>	PD4 <b>210,0</b>	PLM <b>2005,</b>
Maximum beam station from stem		<b>7,091</b>
RM Measured / Default		<b>130,7 / 138,1</b>
Limit of positive stability		<b>113,2°</b>
Stability Index		<b>115,2</b>
Freeboard at mast at 3,990		<b>1,194</b>

<b>PROPELLER</b>		
Installation <b>Strut Drive</b>	PRD <b>0,410</b>	
Type <b>Folding</b>	PBW <b>0,130</b>	
Twin Screw <b>No</b>	PIPA <b>0,0027</b>	
ST1 <b>0,042</b>	ST3 <b>0,180</b> ST5 <b>0,280</b>	
ST2 <b>0,180</b>	ST4 <b>0,090</b> EDL <b>2,480</b>	

<b>WATER BALLAST</b>	
N/A	

<b>CENTERBOARD</b>	
N/A	



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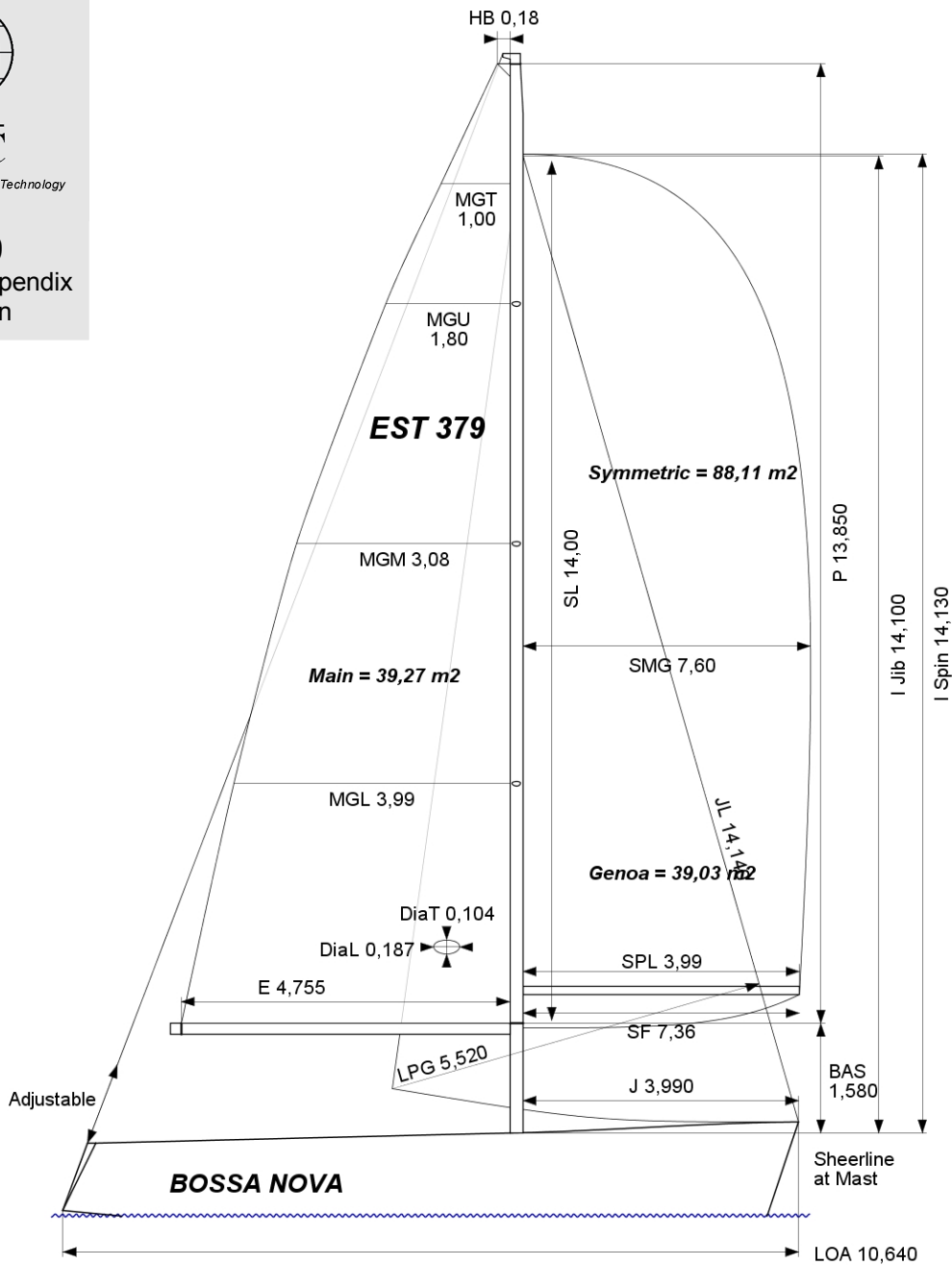
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<b>SAILS (Maximum Areas)</b>									
<b>Mainsail</b>	<b>HB</b>	<b>MGT</b>	<b>MGU</b>	<b>MGM</b>	<b>MGL</b>	<b>MSW</b>	<b>Area</b>	<b>Formula</b>	
	0,180	1,00	1,80	3,08	3,99	18,35	39,27	P/8 · (E + 2·MGL+ 2·MGM + 1.5·MGU + MGT + 0.5·HB)	
<b>Jib/Genoa</b>	<b>JH</b>	<b>JGT</b>	<b>JGU</b>	<b>JGM</b>	<b>JGL</b>	<b>JL</b>	<b>LPG</b>		
	0,00	0,69	1,38	2,76	4,14	14,14	5,52	0.1125·JL·(1.445·LPG+2·JGL+2·JGM+1.5·JGU+JGT+0.5·JH)	
<b>Symmetric</b>	<b>SL</b>	<b>SMG</b>	<b>SF</b>						
	14,00	7,60	7,36				88,11		SL · (SF + 4·SMG) / 6



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Sail Plan



**SAILS INVENTORY**

**MAINSAIL**

Id	HB	MGT	MGU	MGM	MGL	MSW	Area	Measurer	Meas.Dat	Manufacturer	Material	Comment
1	0,180	0,98	1,78	3,06	3,98	21,00	39,08					* Copied from legacy *
2	0,180	1,00	1,80	3,08	3,99	18,35	39,27				Unknown	

**JIBS / GENOAS**

Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Measurer	Meas.Dat	Manufacturer	Material	Comment
1						5,52	14,14	138%	39,03					* Copied from legacy
2	0,07	0,70	1,36	2,70	4,03	5,44	13,95	136%	37,82				Unknown	

**SYMMETRIC SPINNAKERS**

Id	SL	SMG	SF	Area	Measurer	Meas.Dat	Manufacturer	Material	Comment
1	14,00	7,60	7,36	88,11					* Copied from legacy *
2	13,89	7,50	7,26	86,26				Unknown	

**ASYMMETRIC SPINNAKERS**

Id	SLU	SLE	ASL	AMG	ASF	Area	Kind	Measurer	Meas.Dat	Manufacturer	Material	Comment
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