

<b>BOAT</b> Name <b>AlmaViva</b> Sail Nr <b>SWE 70</b>	<b>GPH</b> <b>582,5</b>	<b>HULL</b> Length Overall <b>12,240m</b> Maximum Beam <b>3,902m</b> Displacement <b>7.829kg</b> Draft <b>2,482m</b> IMS Reg. Division <b>Cruiser/Racer</b> Dynamic Allowance <b>0,107%</b> Fwd Accommodation <b>Yes</b> Hull Construction <b>Cored</b> Carbon Rudder <b>No</b> Crew Arm Extension
<b>GENERAL</b> Class <b>First 40</b> Designer <b>B.Farr</b> Builder <b>Benetau</b> Series <b>07/2008</b> Age <b>07/2008</b> Age Allowance <b>0,228%</b> Offset File <b>F240.OFF - 23/1/2009 10:12:46</b> Measurement by <b>T.Andersson - 30/04/2011</b>		IMSL <b>11,237m</b> VCGD <b>-0,279m</b> Sink <b>24,18kg/mm</b> RL <b>10,115m</b> VCGM <b>-0,304m</b> WS <b>32,96m<sup>2</sup></b>



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**2015**  
ORC International  
Certificate

**Rating Office**

Offshore  
Racing  
Congress



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SCORING OPTIONS	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
	PLT	PLD		PLT	PLD	
Time On Distance	<b>565,5</b>			<b>629,8</b>		
Time On Time	<b>1,0610</b>			<b>1,0717</b>		
Performance Line	<b>0,892</b>	<b>95,7</b>		<b>0,842</b>	<b>161,8</b>	
Triple Number	Low <b>0,9997</b>	Medium <b>1,3123</b>	High <b>1,4922</b>	Low <b>0,7674</b>	Medium <b>1,0620</b>	High <b>1,2543</b>

TIME ALLOWANCES	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>1002,8</b>	<b>825,2</b>	<b>721,5</b>	<b>663,9</b>	<b>637,6</b>	<b>623,3</b>	<b>612,6</b>
52°	<b>651,5</b>	<b>543,7</b>	<b>486,3</b>	<b>462,6</b>	<b>452,9</b>	<b>447,5</b>	<b>442,8</b>
60°	<b>611,2</b>	<b>513,9</b>	<b>470,5</b>	<b>451,0</b>	<b>440,0</b>	<b>434,0</b>	<b>428,5</b>
75°	<b>578,6</b>	<b>493,2</b>	<b>460,0</b>	<b>441,2</b>	<b>425,5</b>	<b>412,6</b>	<b>400,6</b>
90°	<b>584,0</b>	<b>489,8</b>	<b>454,9</b>	<b>443,1</b>	<b>426,4</b>	<b>410,1</b>	<b>381,0</b>
110°	<b>593,7</b>	<b>490,8</b>	<b>451,6</b>	<b>427,1</b>	<b>407,1</b>	<b>395,3</b>	<b>376,1</b>
120°	<b>612,3</b>	<b>502,7</b>	<b>458,1</b>	<b>433,4</b>	<b>408,9</b>	<b>384,9</b>	<b>362,3</b>
135°	<b>682,2</b>	<b>552,9</b>	<b>483,3</b>	<b>452,4</b>	<b>430,2</b>	<b>407,1</b>	<b>360,5</b>
150°	<b>815,0</b>	<b>648,8</b>	<b>547,6</b>	<b>484,9</b>	<b>454,1</b>	<b>432,5</b>	<b>388,5</b>
Run VMG	<b>941,0</b>	<b>749,2</b>	<b>632,1</b>	<b>552,4</b>	<b>495,7</b>	<b>461,1</b>	<b>417,5</b>

Selected Courses	971,9	787,2	676,8	608,2	566,7	542,2	515,1
Windward / Leeward	<b>971,9</b>	<b>787,2</b>	<b>676,8</b>	<b>608,2</b>	<b>566,7</b>	<b>542,2</b>	<b>515,1</b>
Circular Random	<b>808,9</b>	<b>650,5</b>	<b>564,9</b>	<b>514,5</b>	<b>483,0</b>	<b>461,9</b>	<b>434,6</b>
Ocean for PCS	<b>861,6</b>	<b>679,3</b>	<b>577,4</b>	<b>514,9</b>	<b>473,6</b>	<b>443,8</b>	<b>399,7</b>
Non Spinnaker	<b>871,3</b>	<b>694,6</b>	<b>597,4</b>	<b>539,4</b>	<b>502,9</b>	<b>478,7</b>	<b>448,6</b>

Velocity Prediction in Knots for True Wind Speeds	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>43,6°</b>	<b>42,0°</b>	<b>41,6°</b>	<b>39,7°</b>	<b>38,6°</b>	<b>37,8°</b>	<b>37,4°</b>
Beat VMG	<b>3,59</b>	<b>4,36</b>	<b>4,99</b>	<b>5,42</b>	<b>5,65</b>	<b>5,78</b>	<b>5,88</b>
52°	<b>5,53</b>	<b>6,62</b>	<b>7,40</b>	<b>7,78</b>	<b>7,95</b>	<b>8,04</b>	<b>8,13</b>
60°	<b>5,89</b>	<b>7,01</b>	<b>7,65</b>	<b>7,98</b>	<b>8,18</b>	<b>8,29</b>	<b>8,40</b>
75°	<b>6,22</b>	<b>7,30</b>	<b>7,83</b>	<b>8,16</b>	<b>8,46</b>	<b>8,72</b>	<b>8,99</b>
90°	<b>6,16</b>	<b>7,35</b>	<b>7,91</b>	<b>8,12</b>	<b>8,44</b>	<b>8,78</b>	<b>9,45</b>
110°	<b>6,06</b>	<b>7,34</b>	<b>7,97</b>	<b>8,43</b>	<b>8,84</b>	<b>9,11</b>	<b>9,57</b>
120°	<b>5,88</b>	<b>7,16</b>	<b>7,86</b>	<b>8,31</b>	<b>8,80</b>	<b>9,35</b>	<b>9,94</b>
135°	<b>5,28</b>	<b>6,51</b>	<b>7,45</b>	<b>7,96</b>	<b>8,37</b>	<b>8,84</b>	<b>9,99</b>
150°	<b>4,42</b>	<b>5,55</b>	<b>6,57</b>	<b>7,42</b>	<b>7,93</b>	<b>8,32</b>	<b>9,27</b>
Run VMG	<b>3,83</b>	<b>4,81</b>	<b>5,70</b>	<b>6,52</b>	<b>7,26</b>	<b>7,81</b>	<b>8,62</b>
Gybe Angles	<b>141,0°</b>	<b>147,8°</b>	<b>150,8°</b>	<b>158,3°</b>	<b>173,5°</b>	<b>178,3°</b>	<b>178,4°</b>

**Certificate**

Number **6206**  
ORC Ref **SSF00001198**  
Issued On **15/5/2015**  
VPP Ver. **2015 1.01**  
Valid until **31/12/2015**

**Crew Weight**

Declared **884kg**  
Default\* **794kg**  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Non Spin GPH	<b>617,0</b>	<b>0,9724</b>
Non Spin OSN	<b>597,5</b>	<b>1,0041</b>
N/S Perf. Line	<b>61,2</b>	<b>0,787</b>

**Sails Limitations**

Headsails	Spinnakers
<b>7</b>	<b>4</b>

**Class Division Length**

CDL = **10,677**

**Storm Sails Areas**

Heavy Weather Jib **36,95**  
Storm Jib (JL=10,75) **13,69**  
Storm Triesail **15,62**

**Owner**

<b>BOAT</b>	
Name <b>AlmaViva</b>	Sail Nr <b>SWE 70</b>
File <b>6206.dxt</b>	Data in <b>meters/kilograms</b>

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Current Inclining</b>			
Flotation date <b>30/04/2011</b>		SG <b>1,0060</b>	
FFM <b>1,367</b>	FF <b>1,376</b>	SFFP <b>0,261</b>	
FAM <b>1,051</b>	FA <b>1,058</b>	SAFP <b>11,831</b>	
W1 <b>24,200</b>	PD1 <b>53,0</b>	WD <b>13,804</b>	
W2 <b>52,300</b>	PD2 <b>118,0</b>	GSA <b>0,4</b>	
W3 <b>80,550</b>	PD3 <b>177,0</b>	RSA <b>63,6</b>	
W4 <b>114,35</b>	PD4 <b>251,0</b>	PLM <b>2128,0</b>	
LCF from stem on CL / on sheer		<b>6,689 / 6,948</b>	
Maximum beam station from stem		<b>7,802</b>	
RM Measured		<b>232,6kg·m</b>	
RM Default		<b>203,4kg·m</b>	
Limit of positive stability / Stab.Index		<b>132,5° / 135,5</b>	
Freeboard at mast at 4,600		<b>1,251</b>	



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## 2015 Measurements Datasheet

<b>RIG</b>			
Forestay Tension <b>Fixed</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>16,110</b>	E <b>5,541</b>	MDT1 <b>0,130</b>	MW <b>0,260</b>
IG <b>16,545</b>	J <b>4,600</b>	MDL1 <b>0,260</b>	GO <b>0,260</b>
ISP <b>17,799</b>	SFJ <b>0,000</b>	MDT2 <b>0,130</b>	BD <b>0,200</b>
BAS <b>1,727</b>	SPL <b>5,195</b>	MDL2 <b>0,230</b>	MWT <b>207,00</b>
FSP <b>0,080</b>	TPS <b>0,000</b>	TL <b>1,080</b>	MCG <b>5,620</b>

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Valid until <b>31/12/2015</b>	

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

<b>PROPELLER</b>		
Installation <b>Strut</b>	PRD <b>0,430</b>	
Type <b>Folding 2 blades</b>	PBW <b>0,125</b>	
Twin Screw	PIPA <b>0,0037</b>	
ST1 <b>0,046</b>	ST3 <b>0,180</b>	ST5 <b>0,319</b>
ST2 <b>0,180</b>	ST4 <b>0,112</b>	EDL <b>2,198</b>

<b>COMMENTS</b>	

<b>MOVEABLE BALLAST</b>	
N/A	

<b>CENTERBOARD</b>	
N/A	



Invalid for Racing

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<b>SAILS (Maximum Areas)</b>						
Mainsail	HB	MGT	MGU	MGM	MGL	
	0,200	1,27	2,22	3,71	4,75	
						<b>Area Area (r) Formula</b>
						54,70 55,96 $P/8 \cdot (E + 2 \cdot MGL + 2 \cdot MGM + 1.5 \cdot MGU + MGT + 0.5 \cdot HB)$
Symmetric	SL	SMG	SF			
	17,40	9,25	9,25	134,13 $SL \cdot (SF + 4 \cdot SMG) / 6$		
<b>Asymmetric</b>						
Not Available						

<b>HEADSAILS</b>												
Area = 0.1125·JL·(1.445·LPG+2·JGL+2·JGM+1.5·JGU+JGT+0.5·JH)												
JH	JGT	JGU	JGM	JGL	LPG	JL	Area	Btn	Fly	Meas.Date	Material	Comment
0,10	0,71	1,38	2,61	3,79	4,92	16,45	42,08				Unknow	J Light
0,10	0,71	1,38	2,61	3,79	4,92	16,45	42,08				Unknow	J Medium
0,10	0,71	1,38	2,61	3,79	4,92	16,45	42,08				Unknow	Reacher
0,06	0,59	1,16	2,28	3,44	4,64	15,95	36,79				Unknow	Winds Jib
0,08	0,42	0,78	1,50	2,28	3,15	15,00	23,19				Unknow	Stay Sail

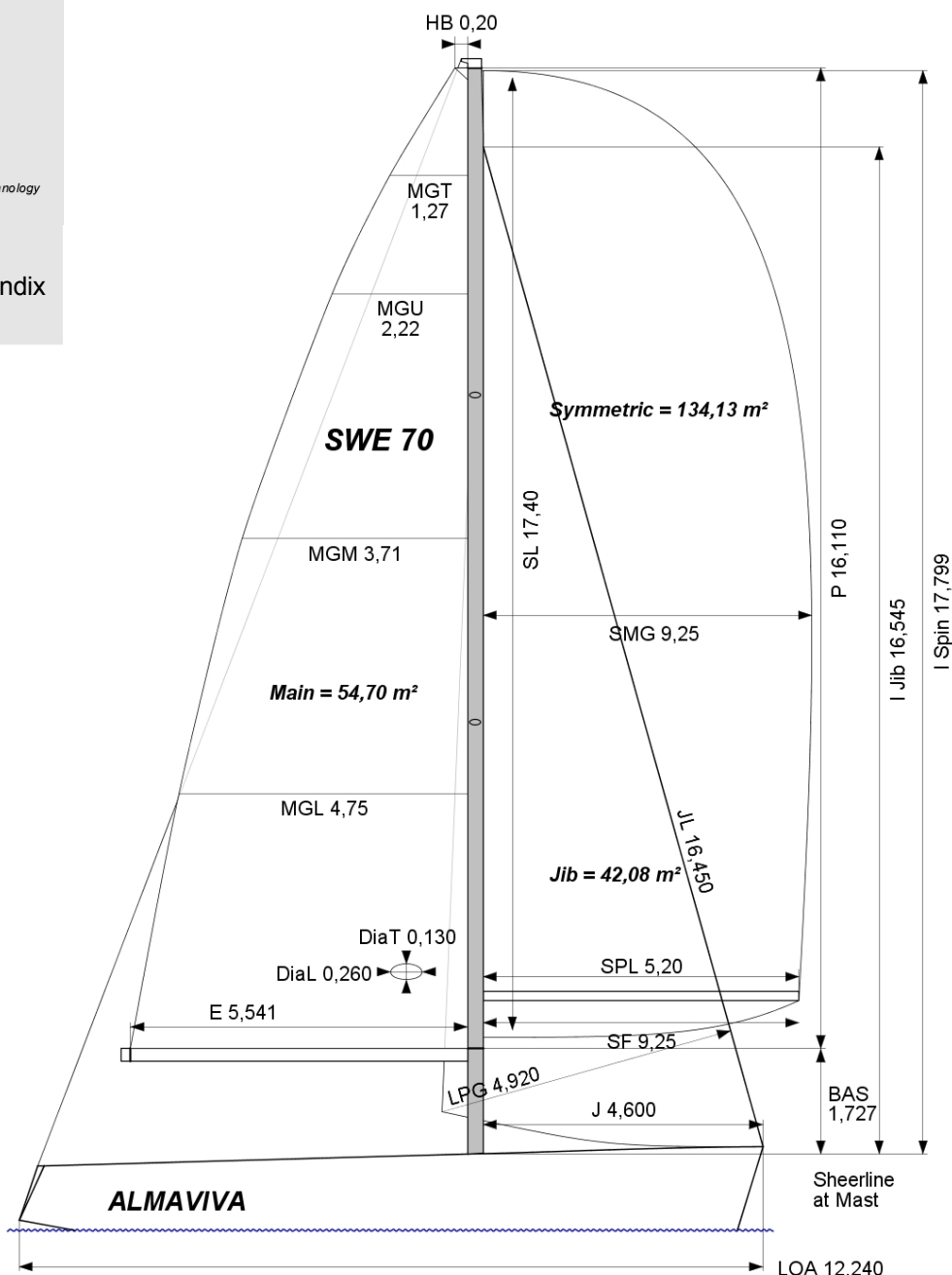
<b>MEASUREMENT INVENTORY</b>				
Measurer <b>T.Andersson</b>				
Date <b>30/04/2011</b>				
Comment				
Id	Item	Weight	Distance	VCG Description
4	Anchor	8,0	8,80	
2	Anchor	5,0	8,80	
4	Tools	40,5	6,60	
Id	Item	Maker	Model	
1	Engine	Yanmar	3JH5CE (	
Id	Item	Weight	Description	
4	Deck-Gear	0,0		
4	Fwd-Items	13,0	Safety-Eqm-	

<b>MEASUREMENT INVENTORY</b>						
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG Condtn Description
1	Tank Water		PVC	100,0	5,40	0,0
2	Tank Water		PVC	100,0	5,40	0,0
3	Tank Fuel		PVC	130,0	9,60	5,0
4	Tank Heat W		St.Steel	25,0	5,40	0,0
5	Tank Gas					
Id	Item	Weight	Distance	VCG Description		
0	Ballast	0,0	0,00			
1	Battery	24,0	7,30	110 A h		
2	Battery	24,0	8,80	110 Ah		



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**2015**  
Certificate Appendix  
Sail Plan



SAILS INVENTORY																
MANSAIL																
Id	HB	MGT	MGU	MGM	MGL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0,200	1,27	2,22	3,71	4,75	54,70	Albatross S		Albatross S	Unknown						
HEADSAILS																
Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
5	0,10	0,71	1,38	2,61	3,79	4,92	16,45	107%	42,08			Albatross		Albatross S	Unknown	J Light
4	0,10	0,71	1,38	2,61	3,79	4,92	16,45	107%	42,08			Albatross		Albatross S	Unknown	J Medium
3	0,10	0,71	1,38	2,61	3,79	4,92	16,45	107%	42,08			Albatross		Albatross S	Unknown	Reacher
1	0,06	0,59	1,16	2,28	3,44	4,64	15,95	101%	36,79			Albatross		Albatross S	Unknown	Winds Jib
2	0,08	0,42	0,78	1,50	2,28	3,15	15,00	68%	23,19			Albatross		Albatross S	Unknown	Stay Sail
SYMMETRIC SPINNAKERS																
Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment							
2	17,40	9,25	9,25	134,13	Albatross S		Albatross	Unknown	Spinn 0.9							
1	17,40	9,25	9,25	134,13	Albatross S		Albatross S	Unknown	Spinn 0.5							
3	16,95	7,33	7,80	104,86	Albatross S		Albatross S	Unknown	Spinn 1.3							
ASYMMETRIC SPINNAKERS																
Id	SLU	SLE	ASL	AMG	ASF	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				