

<b>BOAT</b>	<b>GPH</b>	<b>HULL</b>
Name <b>ALBIINO</b> Sail Nr <b>FIN-691</b>	<b>723.4</b>	Length Overall <b>7.798m</b> Maximum Beam <b>2.524m</b> Displacement <b>1 780kg</b> Draft <b>1.429m</b> Plan Review IMS Reg. Division <b>Sportboat</b> Dynamic Allowance <b>0.184%</b> Hull Construction <b>Solid</b> Carbon Rudder <b>No</b> Crew Arm Extension
<b>GENERAL</b>		IMSL <b>6.962m</b> VCGD <b>-0.064m</b> Sink <b>9.17kg/mm</b> RL <b>6.206m</b> VCGM <b>-0.026m</b> WS <b>12.57m²</b> LSM0 <b>6.841m</b> Displacement/Length ratio <b>5.5598</b>
Class <b>ALBIN EXPRESS</b> Designer <b>PETER NORLIN</b> Builder <b>ALBIN MARIN</b> Series <b>05.1978</b> Age <b>01.1979</b> Age Allowance <b>0.487%</b> Offset File <b>L0016.BOF - 22.05.1995 3.00.00</b> Measurement by - <b>11.05.1994</b>		



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**2020 (Test)**  
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Certificate

#### Rating Office

<b>SCORING OPTIONS</b>	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time on Distance	<b>703.5</b>			<b>783.8</b>		
Time on Time	<b>0.8529</b>			<b>0.8611</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>822.0</b>	<b>642.6</b>	<b>577.4</b>	<b>1062.8</b>	<b>784.2</b>	<b>693.5</b>
Time on Time	<b>0.8212</b>	<b>1.0505</b>	<b>1.1690</b>	<b>0.6351</b>	<b>0.8607</b>	<b>0.9733</b>

<b>TIME ALLOWANCES</b>	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Wind Velocity							
Beat VMG	<b>1227.7</b>	<b>1024.9</b>	<b>906.5</b>	<b>847.6</b>	<b>833.8</b>	<b>832.6</b>	<b>837.3</b>
52°	<b>801.1</b>	<b>677.3</b>	<b>622.3</b>	<b>598.5</b>	<b>589.5</b>	<b>586.5</b>	<b>584.7</b>
60°	<b>757.1</b>	<b>646.8</b>	<b>605.6</b>	<b>584.1</b>	<b>572.2</b>	<b>567.7</b>	<b>566.3</b>
75°	<b>726.5</b>	<b>627.8</b>	<b>592.3</b>	<b>570.0</b>	<b>551.0</b>	<b>537.4</b>	<b>529.7</b>
90°	<b>712.6</b>	<b>610.8</b>	<b>573.5</b>	<b>554.0</b>	<b>541.7</b>	<b>520.6</b>	<b>493.6</b>
110°	<b>707.2</b>	<b>604.3</b>	<b>565.2</b>	<b>531.3</b>	<b>503.5</b>	<b>486.3</b>	<b>463.0</b>
120°	<b>730.3</b>	<b>615.2</b>	<b>571.7</b>	<b>537.1</b>	<b>503.5</b>	<b>474.5</b>	<b>435.8</b>
135°	<b>809.9</b>	<b>667.0</b>	<b>594.4</b>	<b>560.3</b>	<b>526.5</b>	<b>493.7</b>	<b>427.6</b>
150°	<b>963.9</b>	<b>766.8</b>	<b>649.8</b>	<b>590.2</b>	<b>558.9</b>	<b>527.6</b>	<b>468.0</b>
Run VMG	<b>1113.0</b>	<b>885.7</b>	<b>746.2</b>	<b>653.3</b>	<b>598.1</b>	<b>566.4</b>	<b>507.8</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>1170.4</b>	<b>955.3</b>	<b>826.3</b>	<b>750.5</b>	<b>716.0</b>	<b>699.5</b>	<b>672.6</b>
Circular Random	<b>988.7</b>	<b>801.7</b>	<b>702.2</b>	<b>645.1</b>	<b>610.4</b>	<b>587.8</b>	<b>558.5</b>
Coastal / Long Distance	<b>1164.6</b>	<b>896.3</b>	<b>748.2</b>	<b>664.4</b>	<b>623.0</b>	<b>588.8</b>	<b>530.6</b>
Non Spinnaker	<b>1049.0</b>	<b>844.2</b>	<b>734.1</b>	<b>670.3</b>	<b>631.6</b>	<b>606.7</b>	<b>576.2</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							
Beat Angles	<b>43.5°</b>	<b>42.0°</b>	<b>41.1°</b>	<b>39.2°</b>	<b>39.0°</b>	<b>39.0°</b>	<b>39.9°</b>
Beat VMG	<b>2.93</b>	<b>3.51</b>	<b>3.97</b>	<b>4.25</b>	<b>4.32</b>	<b>4.32</b>	<b>4.30</b>
52°	<b>4.49</b>	<b>5.32</b>	<b>5.78</b>	<b>6.02</b>	<b>6.11</b>	<b>6.14</b>	<b>6.16</b>
60°	<b>4.76</b>	<b>5.57</b>	<b>5.95</b>	<b>6.16</b>	<b>6.29</b>	<b>6.34</b>	<b>6.36</b>
75°	<b>4.96</b>	<b>5.73</b>	<b>6.08</b>	<b>6.32</b>	<b>6.53</b>	<b>6.70</b>	<b>6.80</b>
90°	<b>5.05</b>	<b>5.89</b>	<b>6.28</b>	<b>6.50</b>	<b>6.65</b>	<b>6.91</b>	<b>7.29</b>
110°	<b>5.09</b>	<b>5.96</b>	<b>6.37</b>	<b>6.78</b>	<b>7.15</b>	<b>7.40</b>	<b>7.78</b>
120°	<b>4.93</b>	<b>5.85</b>	<b>6.30</b>	<b>6.70</b>	<b>7.15</b>	<b>7.59</b>	<b>8.26</b>
135°	<b>4.45</b>	<b>5.40</b>	<b>6.06</b>	<b>6.43</b>	<b>6.84</b>	<b>7.29</b>	<b>8.42</b>
150°	<b>3.73</b>	<b>4.69</b>	<b>5.54</b>	<b>6.10</b>	<b>6.44</b>	<b>6.82</b>	<b>7.69</b>
Run VMG	<b>3.23</b>	<b>4.06</b>	<b>4.82</b>	<b>5.51</b>	<b>6.02</b>	<b>6.36</b>	<b>7.09</b>
Gybe Angles	<b>147.5°</b>	<b>152.0°</b>	<b>153.0°</b>	<b>170.0°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>

**Certificate**  
Number **00691E**  
ORC Ref **N/A**  
Issued On **29.05.2020**  
VPP Ver. **2020 1.02**  
**Invalid for Racing**

**Crew Weight**  
Default 401kg  
Maximum **385kg**  
Minimum\* **289kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**  
ToD ToT  
Non Spin GPH **757.2 0.7924**  
Non Spin OSN **732.5 0.8191**

**Sails Limitations**  
Headsails **5** Spinnakers **4**

**Class Division Length**  
CDL = **6.579**

**Storm Sails Areas**  
Heavy Weather Jib **10.87**  
Storm Jib (JL=5.84) **4.03**  
Storm Trysail **5.57**

**Owner**

BOAT			
Name	ALBIINO	Sail Nr	FIN-691
File	L-0691E_CL	Data in	meters/kilograms

RIG							
Forestay Tension	Fixed				Spreaders	1	
Inner Stay	None Fitted				Runners/Checkstays	0	
Carbon Mast	No				Jib Furler	No	
Fiber Rigging	No				Main Furler	No	
Non-Circular Rigging	No						
Articulated Bowsprit							
P	9.500	E	3.350	MDT1	0.090	MW	0.130
IG	8.970	J	3.050	MDL1	0.130	GO	0.130
ISP	8.970	SFJ	0.000	MDT2	0.090	BD	0.092
BAS	1.170	SPL	3.100	MDL2	0.130	MWT	39.20
FSD	0.000	TPS		TL	0.000	MCG	4.006

MIZZEN RIG AND SAILS	
	N/A

## COMMENTS

<b>INCLINING TEST AND FREEBOARDS</b>				
<b>Inclining Test    <u>Current Inclining</u></b>				
<b>Flotation date    22.04.1990</b>		<b>SG    1.0050</b>		
<b>FFM    0.972</b>	<b>FF    0.986</b>	<b>SFFP</b>	<b>0.426</b>	
<b>FAM    0.787</b>	<b>FA    0.797</b>	<b>SAFP</b>	<b>7.503</b>	
<b>W1    5.3</b>	<b>PD1    37.0</b>	<b>WD</b>	<b>8.450</b>	
<b>W2    10.0</b>	<b>PD2    72.0</b>	<b>GSA</b>	<b>12.0</b>	
<b>W3    14.5</b>	<b>PD3    110.0</b>	<b>RSA</b>	<b>4000.0</b>	
<b>W4    20.2</b>	<b>PD4    144.0</b>	<b>PLM</b>	<b>1500.0</b>	
<b>LCF from stem on CL / on sheer</b>			<b>4.319 / 4.476</b>	
<b>Maximum beam station from stem</b>			<b>4.626</b>	
<b>RM Measured</b>			<b>31.0kg·m</b>	
<b>RM Default</b>			<b>31.9kg·m</b>	
<b>Limit of positive stability / Stab.Index</b>			<b>117.8° / 113.9</b>	
<b>Freeboard at mast at 3.050</b>			<b>0.882</b>	

**PROPELLER**

Type **No Propeller**

MOVABLE BALLAST	
	N/A

CENTERBOARD	
	N/A



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**2020**  
**IMS Measurement**  
**Certificate**

**Certificate**  
 Number **00691E**  
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 Issued On **29.05.2020**  
 VPP Ver. **2020 1.02**  
**Invalid for Racing**

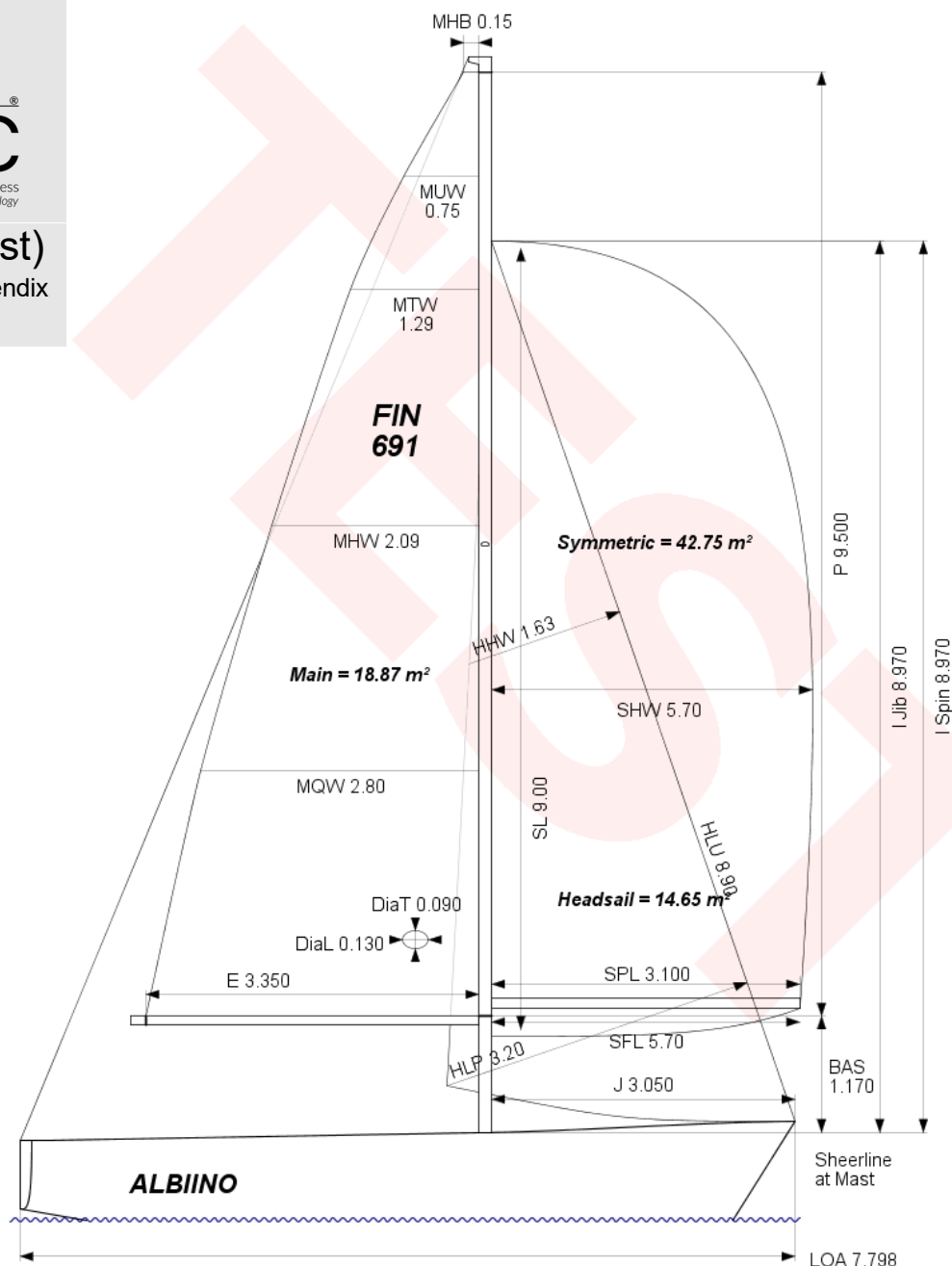
SAILS (Maximum Areas)							
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)
	0.15	0.75	1.29	2.09	2.80	18.87	19.25
Symmetric	SLU	SLE	SL	SHW	SFL	Formula $P/8 \cdot (E + 2 \cdot MQW + 2 \cdot MHW + 1.5 \cdot MTW + MUW + 0.5 \cdot MHB)$	
	9.00	9.00	9.00	5.70	5.70	42.75	$SL \cdot (SFL + 4 \cdot SHW) / 6$
Asymmetric							
Not Available							

HEADSAILS											
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	Flying	Meas.Date	Material Comment
0.07	0.50	0.87	1.63	2.45	3.20	8.90	14.65	Y	No		* Copied from legacy *



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Sail Plan



**SAILS INVENTORY**

**MAINSAIL (1)**

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC	0.15	0.75	1.29	2.09	2.80	18.87					* Copied from legacy

**HEADSAILS (1)**

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
ORC	0.07	0.50	0.87	1.63	2.45	3.20	8.90	105%	14.65	Y	No					* Copied from

**SYMMETRIC SPINNAKERS (1)**

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC	9.00	9.00	9.00	5.70	5.70	42.75					* Copied from legacy *

**ASYMMETRIC SPINNAKERS (0)**

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