

<b>BOAT</b>
Name <b>MISS PIGGY</b>
Sail Nr <b>FIN-10103</b>

<b>GPH</b>
<b>669,8</b>

<b>HULL</b>	Length Overall	<b>9,490 m</b>
	Maximum Beam	<b>3,211 m</b>
	Displacement	<b>3 998 kg</b>
	Draft	<b>1,941 m</b>
	IMS Reg. Division	<b>Cruiser/Racer</b>
	Accommodation length	<b>9,490 m</b>
	Dynamic Allowance	<b>0,59%</b>
	Fwd Accommodation	<b>Yes</b>
	Hull Construction	<b>Solid</b>
	Carbon Rudder	<b>No</b>
	Trim Tab	<b>No</b>
	IMS L	<b>9,207</b>
	VCGD	<b>0,295</b>
	VCGM	<b>0,238</b>



**2008**  
ORC International  
Certificate

<b>GENERAL</b>
Class <b>FIRST 31.7 HR</b>
Designer <b>FINOT</b>
Builder <b>BENETEAU</b>
Series <b>09.1998</b>
Age <b>05.2005</b>
Age Allowance <b>0,65%</b>
Offset File <b>F171.OFF - 17.10.1998 9:15:38</b>
Measurement by <b>STAMBEJ - 09.05.2007</b>

<b>SCORING OPTIONS</b>	<b>OFFSHORE</b>			<b>INSHORE</b>		
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	<b>669,8</b>			<b>748,5</b>		
Time On Time	<b>0,8958</b>			<b>0,9018</b>		
Performance Line	PLT	PLD		PLT	PLD	
	<b>0,699</b>	<b>63,4</b>		<b>0,923</b>	<b>285,7</b>	
Triple Number	Low	Medium	High	Low	Medium	High
	<b>0,8813</b>	<b>1,1581</b>	<b>1,3033</b>	<b>0,6696</b>	<b>0,9311</b>	<b>1,0880</b>

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FSF RATING OFFICE  
JOAKIM MAJANDER  
MATINLAHDENKATU 3 E25  
FIN-02230 ESPOO FINLAND

<b>TIME ALLOWANCES</b>	Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
	Beat VMG	<b>1143,8</b>	<b>924,5</b>	<b>818,6</b>	<b>771,0</b>	<b>743,3</b>	<b>726,6</b>	<b>713,5</b>
	52°	<b>731,5</b>	<b>607,0</b>	<b>556,5</b>	<b>528,4</b>	<b>514,3</b>	<b>507,7</b>	<b>502,7</b>
	60°	<b>680,5</b>	<b>579,3</b>	<b>533,8</b>	<b>506,5</b>	<b>499,1</b>	<b>494,7</b>	<b>490,5</b>
	75°	<b>642,7</b>	<b>560,1</b>	<b>512,7</b>	<b>494,1</b>	<b>482,8</b>	<b>476,2</b>	<b>467,7</b>
	90°	<b>632,3</b>	<b>545,9</b>	<b>500,7</b>	<b>485,3</b>	<b>477,7</b>	<b>467,5</b>	<b>445,5</b>
	110°	<b>655,3</b>	<b>560,3</b>	<b>509,0</b>	<b>488,0</b>	<b>466,2</b>	<b>445,0</b>	<b>426,8</b>
	120°	<b>700,8</b>	<b>580,7</b>	<b>524,5</b>	<b>494,6</b>	<b>475,5</b>	<b>449,8</b>	<b>410,1</b>
	135°	<b>812,9</b>	<b>641,8</b>	<b>563,2</b>	<b>514,6</b>	<b>491,9</b>	<b>472,9</b>	<b>426,6</b>
	150°	<b>970,9</b>	<b>752,4</b>	<b>627,1</b>	<b>561,3</b>	<b>516,1</b>	<b>493,3</b>	<b>452,2</b>
	Run VMG	<b>1121,1</b>	<b>868,8</b>	<b>722,9</b>	<b>630,5</b>	<b>572,1</b>	<b>528,5</b>	<b>484,7</b>

<b>Certificate</b>
Number <b>10103</b>
ORC Ref <b>N/A</b>
Issued On <b>7.4.2008</b>
VPP Ver. <b>1.04</b>
Valid until <b>31.12.2008</b>

<b>Crew Weight</b>
Declared <b>500 kg</b>
Default* <b>547 kg</b>
Double Handed ToD <b>670,8</b>
Double Handed ToT <b>0,8944</b>

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

<b>Storm Sails Areas</b>
Heavy Weather Jib <b>20,73</b>
Storm Jib <b>7,68</b>
Storm Jib JL <b>8,05</b>
Storm Trysail <b>7,60</b>

<b>Selected Courses</b>	Windward / Leeward	<b>1159,0</b>	<b>917,7</b>	<b>788,3</b>	<b>714,8</b>	<b>669,5</b>	<b>638,9</b>	<b>610,5</b>
	Circular Random	<b>930,5</b>	<b>747,3</b>	<b>649,1</b>	<b>592,2</b>	<b>557,5</b>	<b>535,0</b>	<b>507,0</b>
	Ocean for PCS	<b>1050,0</b>	<b>820,4</b>	<b>690,8</b>	<b>610,5</b>	<b>557,4</b>	<b>520,0</b>	<b>468,5</b>
	Non Spinnaker	<b>1006,4</b>	<b>799,9</b>	<b>687,0</b>	<b>620,6</b>	<b>579,6</b>	<b>553,3</b>	<b>522,6</b>

**Owner**  
JUHA JAPENTTI RIIKONEN  
RYPÄLEKUJA 2 E9  
FIN-02710 ESPOO FINLAND  
KLV

I certify that I understand  
my responsibilities under  
ORC Rules and Regulations

Signature

<b>Velocity Prediction in Knots for True Wind Speeds</b>	Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
	Beat Angles	<b>44,6°</b>	<b>43,1°</b>	<b>41,2°</b>	<b>39,3°</b>	<b>38,0°</b>	<b>37,2°</b>	<b>36,7°</b>
	Beat VMG	<b>3,15</b>	<b>3,89</b>	<b>4,40</b>	<b>4,67</b>	<b>4,84</b>	<b>4,95</b>	<b>5,05</b>
	52°	<b>4,92</b>	<b>5,93</b>	<b>6,47</b>	<b>6,81</b>	<b>7,00</b>	<b>7,09</b>	<b>7,16</b>
	60°	<b>5,29</b>	<b>6,21</b>	<b>6,74</b>	<b>7,11</b>	<b>7,21</b>	<b>7,28</b>	<b>7,34</b>
	75°	<b>5,60</b>	<b>6,43</b>	<b>7,02</b>	<b>7,29</b>	<b>7,46</b>	<b>7,56</b>	<b>7,70</b>
	90°	<b>5,69</b>	<b>6,59</b>	<b>7,19</b>	<b>7,42</b>	<b>7,54</b>	<b>7,70</b>	<b>8,08</b>
	110°	<b>5,49</b>	<b>6,42</b>	<b>7,07</b>	<b>7,38</b>	<b>7,72</b>	<b>8,09</b>	<b>8,43</b>
	120°	<b>5,14</b>	<b>6,20</b>	<b>6,86</b>	<b>7,28</b>	<b>7,57</b>	<b>8,00</b>	<b>8,78</b>
	135°	<b>4,43</b>	<b>5,61</b>	<b>6,39</b>	<b>7,00</b>	<b>7,32</b>	<b>7,61</b>	<b>8,44</b>
	150°	<b>3,71</b>	<b>4,78</b>	<b>5,74</b>	<b>6,41</b>	<b>6,98</b>	<b>7,30</b>	<b>7,96</b>
	Run VMG	<b>3,21</b>	<b>4,14</b>	<b>4,98</b>	<b>5,71</b>	<b>6,29</b>	<b>6,81</b>	<b>7,43</b>
	Gybe Angles	<b>143,9°</b>	<b>146,9°</b>	<b>153,0°</b>	<b>163,2°</b>	<b>171,1°</b>	<b>170,4°</b>	<b>176,7°</b>



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## 2008 IMS Measurement Certificate

BOAT			
Name	<b>MISS PIGGY</b>	Class	<b>FIRST 31.7 HR</b>
Sail Nr	<b>FIN-10103</b>	GPH	<b>669,8</b>
		Data in	<b>meters/kilograms</b>

RIG					
Forestay Tension	<b>Aft</b>	Spreaders	<b>2</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>				
P	<b>11,190</b>	BAS	<b>1,732</b>	TL	<b>0,730</b>
IG	<b>12,302</b>	FSP	<b>0,062</b>	J	<b>3,500</b>
ISP	<b>12,352</b>	MDT1	<b>0,115</b>	SPL	<b>3,500</b>
SPS	<b>1,822</b>	MDL1	<b>0,170</b>	TPS	<b>CPW 2,070</b>
MW	<b>0,170</b>	MDT2	<b>0,110</b>	E	<b>3,880</b>
GO	<b>0,195</b>	MDL2	<b>0,135</b>	BAL	<b>0,190</b>
				MCG	<b>4,029</b>

INCLINING TEST AND FREEBOARDS					
Inclining Test		<b>Current Inclining</b>			
Flotation date		<b>09.05.2007</b>	SG <b>1,0050</b>		
FFM	<b>1,173</b>	FF	<b>1,180</b>	SFFP	<b>0,303</b>
FAM	<b>0,932</b>	FA	<b>0,936</b>	SAFP	<b>8,732</b>
W1	<b>57,400</b>	PD1	<b>578,1</b>	WD	<b>9,340</b>
W2	<b>57,400</b>	PD2	<b>571,3</b>	GSA	<b>1,0</b>
W3	<b>57,400</b>	PD3	<b>552,2</b>	RSA	<b>1,0</b>
W4	<b>57,400</b>	PD4	<b>574,7</b>	PLM	<b>9000,0</b>
Maximum beam station from stem					<b>6,224</b>
Righting Moment RM Measured / Default					<b>74,4 / 76,9</b>
Limit of positive stability					<b>103,6</b>
Stability Index					<b>102,9</b>

PROPELLER			
Installation	<b>Strut Drive</b>	PRD	<b>0,413</b>
Type	<b>Folding</b>	PBW	<b>0,120</b>
Twin Screw	<b>No</b>	PIPA	<b>0,0032</b>
ST1	<b>0,037</b>	ST3	<b>0,180</b>
ST2	<b>0,180</b>	ST4	<b>0,115</b>
		ST5	<b>0,270</b>
		EDL	<b>2,520</b>

SAILS			
JL	<b>12,05</b>	HB	<b>0,13</b>
LPG	<b>5,23</b>	MSW	<b>8,8</b>
JR		MGT	<b>0,78</b>
SL	<b>12,02</b>	MGU	<b>1,41</b>
SMW	<b>6,28</b>	MGM	<b>2,42</b>
SF	<b>6,08</b>	MGL	<b>3,25</b>
ASL			
AMG			
ASF			

SAILS RATED AREAS	
Jib / Genoa	<b>32,36</b>
Symmetric Spin.	<b>71,31</b>
Asymmetric Spin.	<b>0,00</b>
Code Zero	<b>0,00</b>
Mainsail	<b>25,43</b>

SAILS INVENTORY														
<b>MAINSAIL</b>														
Id	HB	MGT	MGU	MGM	MGL	MSW	Area	Measurer	Meas.Date	Manufacturer	Material	Comment		
<b>JIBS / GENOAS</b>														
Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Measurer	Meas.Date	Manufacturer	Material	Comment
<b>SYMMETRIC SPINNAKERS</b>														
Id	SL	SMW	SF	Area	Measurer	Meas.Date	Manufacturer	Material	Comment					
<b>ASYMMETRIC SPINNAKERS</b>														
Id	SLU	SLE	ASL	AMG	ASF	Area	Measurer	Meas.Date	Manufacturer	Material	Comment			



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## ORC International Certificate Appendix

