

BOAT
Name MISS PIGGY
Sail Nr FIN-10103

GPH
682.4

HULL					
Length Overall	9.490 m				
Maximum Beam	3.216 m				
Displacement	3,998 kg				
Draft	1.941 m				
IMS Reg. Division	Cruiser/Racer				
Dynamic Allowance	0.555%				
Fwd Accommodation	Yes				
Hull Construction	Solid				
Carbon Rudder	No				
Trim Tab	No				
IMS L	9.166	VCGD	0.295	VCGM	0.238
Sink	16.31 kg/mm	Wetted Area	21.08 m²		



2010
ORC International
Certificate

GENERAL
Class FIRST 31.7 HR
Designer FINOT
Builder BENETEAU
Series 09/1998
Age 05/2005
Age Allowance 0.780%
Offset File F171.OFF - 17/10/1998 09:15:38
Measurement by STAMBEJ - 30/06/2010

SCORING OPTIONS						
	OFFSHORE			INSHORE		
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	682.4			763.1		
Time On Time	0.8792			0.8846		
Performance Line	PLT	PLD		PLT	PLD	
	0.731	74.7		0.837	234.5	
Triple Number	Low	Medium	High	Low	Medium	High
	0.8447	1.1239	1.2889	0.6436	0.8978	1.0632

Rating Office

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

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1188.0	966.0	851.1	790.6	758.1	737.9	726.7
52°	766.9	635.9	573.0	538.1	522.7	513.5	504.9
60°	717.3	604.5	550.5	518.0	501.2	493.0	484.6
75°	680.3	581.0	525.6	500.8	480.4	466.0	456.2
90°	656.5	558.6	511.6	482.0	467.9	460.2	436.7
110°	683.1	576.8	524.1	489.9	463.3	441.3	418.0
120°	728.3	601.9	539.6	501.5	473.0	449.1	405.9
135°	836.2	667.3	579.5	530.0	496.7	470.6	426.6
150°	992.4	775.1	649.2	575.7	530.4	498.7	451.6
Run VMG	1145.9	895.0	746.5	649.8	585.4	541.5	484.2

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Issued On	01/07/2010
VPP Ver.	2010 1.11
Valid until	31/12/2010

Crew Weight	
Declared	550 kg
Default*	556 kg
Non Manual Power	No

Special Scoring	
ToD	ToT
Double Handed	687.0 0.8734
Non Spinnaker	718.9 0.8346
N/S Perf. Line	48.0 0.659

Selected Courses							
Windward / Leeward	1187.6	945.0	810.6	730.1	679.9	647.0	612.1
Circular Random	955.5	765.1	661.3	599.7	561.1	535.5	503.6
Ocean for PCS	1020.1	799.5	675.4	598.8	548.2	512.3	461.9
Non Spinnaker	1022.0	811.7	695.7	626.2	582.1	552.8	516.9

Sails Limitations		
Genoa	Jibs	Spinnakers
3	2	3
Spinnaker configuration Symmetric		

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	44.1°	42.6°	41.5°	40.3°	39.1°	38.3°	38.5°
Beat VMG	3.03	3.73	4.23	4.55	4.75	4.88	4.95
52°	4.69	5.66	6.28	6.69	6.89	7.01	7.13
60°	5.02	5.96	6.54	6.95	7.18	7.30	7.43
75°	5.29	6.20	6.85	7.19	7.49	7.73	7.89
90°	5.48	6.44	7.04	7.47	7.69	7.82	8.24
110°	5.27	6.24	6.87	7.35	7.77	8.16	8.61
120°	4.94	5.98	6.67	7.18	7.61	8.02	8.87
135°	4.31	5.39	6.21	6.79	7.25	7.65	8.44
150°	3.63	4.64	5.55	6.25	6.79	7.22	7.97
Run VMG	3.14	4.02	4.82	5.54	6.15	6.65	7.43
Gybe Angles	145.2°	149.4°	156.4°	163.3°	169.1°	172.6°	174.8°

Storm Sails Areas	
Heavy Weather Jib	20.73
Storm Jib (JL=8.05)	7.68
Storm Triesail	7.60

Owner

JUHARIKONEN
KLV

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

Signature

BOAT	
Name MISS PIGGY	Sail Nr FIN-10103
File L10103.dxt	Data in meters/kilograms

RIG	
Forestay Tension Aft	Spreaders 2
Inner Forestay None Fitted	Runners 0
Carbon Mast No	Jumpers None
Taper Hollows No	Jib Furler No
Fiber Rigging No	w/o Backstay No

P 11.190	E 3.880	MDT1 0.115	TL 0.730
IG 12.302	J 3.500	MDL1 0.170	MWT 111.00
ISP 12.352	SFJ 0.050	MDT2 0.110	MCG 4.029
SPS 1.822	SPL 3.500	MDL2 0.135	CPW 2.070
BAS 1.732	TPS	MW 0.170	BD 0.130
BAL 0.190	FSP 0.062	GO 0.195	BWT

MIZZEN RIG AND SAILS	
N/A	

COMMENTS

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 09/05/2007		SG 1.0050	
FFM 1.173	FF 1.180	SFFP 0.303	
FAM 0.932	FA 0.936	SAFP 8.732	
W1 57.400	PD1 578.1	WD 9.340	
W2 57.400	PD2 571.3	GSA 1.0	
W3 57.400	PD3 552.2	RSA 1.0	
W4 57.400	PD4 574.7	PLM 9000.0	
Maximum beam station from stem			6.386
RM Measured / Default			74.2 / 80.2
Limit of positive stability			103.6°
Stability Index			102.9
Freeboard at mast at 3.550			1.040

PROPELLER			
Installation Strut	PRD 0.413		
Type Folding	PBW 0.120		
Twin Screw No	PIPA 0.0032		
ST1 0.037	ST3 0.180	ST5 0.270	
ST2 0.180	ST4 0.115	EDL 2.520	

WATER BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS (Maximum Areas)										
Mainsail	HB	MGT	MGU	MGM	MGL	MSW	Area	Area (r)	Formula	
	0.130	0.78	1.41	2.42	3.25	8.80	25.43	25.88	P/8 · (E + 2·MGL + 2·MGM + 1.5·MGU + MGT + 0.5·HB)	
Jib/Genoa	JH	JGT	JGU	JGM	JGL	JL	LPG			
	0.00	0.61	1.23	2.45	3.68	11.78	4.90	28.86	0.1125·JL·(1.445·LPG+2·JGL+2·JGM+1.5·JGU+JGT+0.5·JH)	
Symmetric	SL	SMG	SF							
	11.69	6.31	6.16	61.18						SL · (SF + 4·SMG) / 6



2010
IMS Measurement
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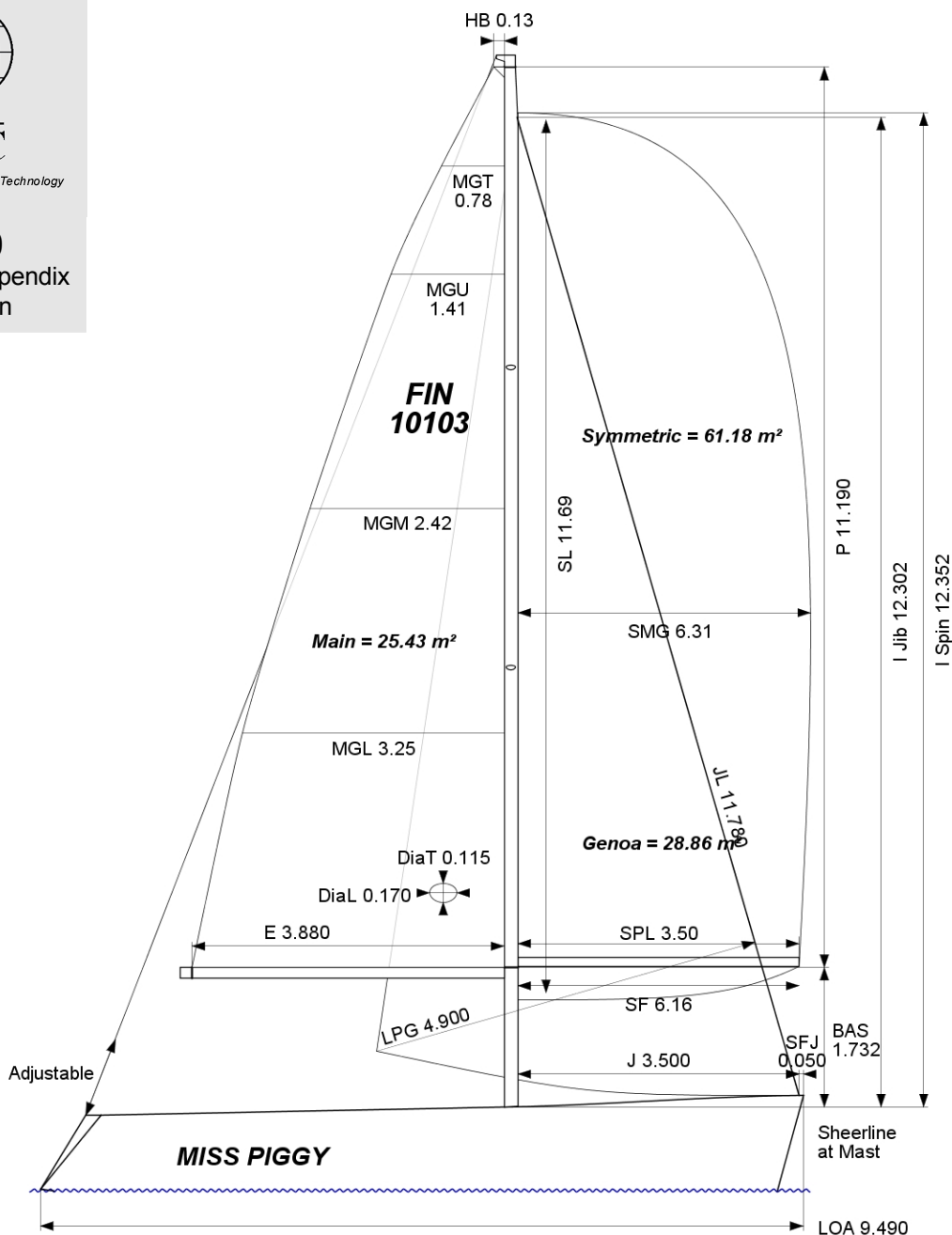
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Sail Plan



SAILS INVENTORY

MAINSAIL

Id	HB	MGT	MGU	MGM	MGL	MSW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.130	0.78	1.41	2.42	3.25	8.80	25.43	Stambej	07/12/2006	Elvström	Kevlar	
2	0.125	0.74	1.34	2.36	3.17	15.30	24.83	Stambej	14/11/2006	Quantum	Dacron	

JIBS / GENOAS

Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Overlp	Area	Measurer	Meas.Date	Manufacture	Material	Comment
GII						4.90	11.78	140%	28.86	Stambej	14/11/2006	Elvström	Kevlar	
GIII						3.81	11.57	109%	22.04	Stambej	14/02/2006	Quantum	Dacron	

SYMMETRIC SPINNAKERS

Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	11.72	6.22	6.04	60.40	Lopmeri	10/05/2010	Elvström	Nylon	
2	11.69	6.31	6.16	61.18	Lopmeri	30/06/2010	Quantum	Nylon	

ASYMMETRIC SPINNAKERS

Id	SLU	SLE	ASL	AMG	ASF	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
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