

BOAT Name BLIXT PRO SAILING Sail Nr SWE 1152	GPH 462.4	HULL Length Overall 15.840m Maximum Beam 4.224m Displacement 7,911kg Draft 3.203m IMS Reg. Division Performance Dynamic Allowance 0.001% Fwd Accommodation No Hull Construction Carbon Carbon Rudder Yes Crew Arm Extension IMSL 15.450m VCGD -0.763m Sink 33.52kg/mm RL 14.690m VCGM -0.752m WS 42.31m²
GENERAL Class TP52 - ONE OFF Designer B FARR Builder SOUTHERN MARINE Series 05/2003 Age 05/2003 Age Allowance 0.390% Offset File 6214off.OFF - 01/07/2011 10:42:32 Measurement by M C ELREA -		




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2015
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Racing
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SCORING OPTIONS	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
	PLT	PLD		PLT	PLD	
Time On Distance	450.6			514.9		
Time On Time	1.3316			1.3109		
Performance Line	1.070	66.8		1.218	258.2	
Triple Number	Low 1.2715	Medium 1.6444	High 1.9035	Low 0.9677	Medium 1.2977	High 1.5209

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	799.7	645.8	582.2	550.9	532.6	526.7	519.0
52°	512.4	421.8	396.0	384.1	376.0	370.3	362.7
60°	474.8	401.4	380.8	368.0	358.2	350.8	341.2
75°	442.2	386.7	358.4	340.7	329.3	321.8	310.3
90°	442.6	387.8	354.1	324.2	307.2	296.5	283.9
110°	454.4	386.2	360.9	333.2	312.0	293.7	250.4
120°	478.4	396.6	355.0	324.4	302.2	286.0	253.1
135°	540.2	424.0	381.1	346.9	310.7	277.3	244.7
150°	654.1	510.3	438.9	394.8	365.6	331.2	262.0
Run VMG	755.3	589.2	506.8	456.2	422.0	382.4	302.5

Selected Courses							
Windward / Leeward	777.5	617.5	544.5	503.5	477.3	454.6	410.8
Circular Random	640.6	515.9	448.8	408.8	382.3	362.5	331.8
Ocean for PCS	684.7	539.1	457.5	406.1	370.3	342.9	301.9
Non Spinnaker	709.9	565.4	485.7	437.3	405.5	382.9	351.5

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	44.5°	43.3°	40.8°	39.0°	38.1°	38.0°	37.9°
Beat VMG	4.50	5.57	6.18	6.53	6.76	6.83	6.94
52°	7.03	8.53	9.09	9.37	9.58	9.72	9.93
60°	7.58	8.97	9.45	9.78	10.05	10.26	10.55
75°	8.14	9.31	10.05	10.57	10.93	11.19	11.60
90°	8.13	9.28	10.17	11.10	11.72	12.14	12.68
110°	7.92	9.32	9.97	10.81	11.54	12.26	14.38
120°	7.53	9.08	10.14	11.10	11.91	12.59	14.22
135°	6.66	8.49	9.45	10.38	11.59	12.98	14.71
150°	5.50	7.05	8.20	9.12	9.85	10.87	13.74
Run VMG	4.77	6.11	7.10	7.89	8.53	9.41	11.90
Gybe Angles	139.1°	137.9°	144.9°	150.9°	156.9°	143.0°	141.9°

Certificate

Number **6214**
ORC Ref **SSF00001306**
Issued On **15/08/2015**
VPP Ver. **2015 1.01**
Valid until **31/12/2015**

Crew Weight

Declared **1,235kg**
Default* **1,253kg**
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	501.3	1.1969
Non Spin OSN	491.5	1.2207
N/S Perf. Line	26.6	0.903

Sails Limitations

Headsails	Spinnakers
8	4

Class Division Length

CDL = **15.072**

Storm Sails Areas

Heavy Weather Jib **53.35**
Storm Jib (JL=12.92) **19.76**
Storm Triesail **24.94**

Owner

BOAT	
Name BLIXT PRO SALING	Sail Nr SWE 1152
File 6214.dxt	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 28/06/2011	SG	1.0050
FFM 1.474	FF 1.483	SFFP 0.457
FAM 1.139	FA 1.143	SAFP 14.261
W1 151.10	PD1 415.5	WD 13.510
W2 151.10	PD2 413.2	GSA 1.0
W3 151.10	PD3 415.2	RSA 1.0
W4 151.10	PD4 411.5	PLM 9000.0
LCF from stem on CL / on sheer		8.808 / 9.042
Maximum beam station from stem		10.100
RM Measured		388.4kg·m
RM Default		365.2kg·m
Limit of positive stability / Stab.Index		136.9° / 138.3
Freeboard at mast at 6.565		1.284

RIG				
Forestay Tension Aft & Forward	Spreaders	2		
Inner Stay None Fitted	Runners	0		
Carbon Mast Yes	Jumper Struts	None		
Taper Hollows No	Jib Furler	No		
Fiber Rigging No	Main Furler	No		
Lenticular Rigging No	Without Backstay	No		
Articulated Bowsprit No				
P 20.390	E 6.990	MDT1 0.151	MW	0.325
IG 19.880	J 6.175	MDL1 0.325	GO	0.325
ISP 22.395	SFJ 0.390	MDT2 0.136	BD	0.352
BAS 2.131	SPL	MDL2 0.245	MWT	320.00
FSP 0.074	TPS 8.410	TL 2.950	MCG	7.810



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2015 Measurements Datasheet

MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation Strut	PRD	0.420
Type Folding 2 blades	PBW	0.112
Twin Screw No	PIPA	0.0038
ST1 0.043	ST3 0.180	ST5 0.290
ST2 0.180	ST4 0.112	EDL 1.730

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COMMENTS	
UPDATED 29/6- 2011 AFTER NEW KEEL	

MOVEABLE BALLAST	
N/A	



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CENTERBOARD	
N/A	

SAILS (Maximum Areas)						
Mainsail	HB	MGT	MGU	MGM	MGL	Area Area (r) Formula
	1.900	2.45	3.32	4.76	5.95	93.82 96.10 P/8 · (E + 2·MGL+ 2·MGM + 1.5·MGU + MGT + 0.5·HB)
Symmetric						
Not Available						
Asymmetric						
	SLU	SLE	ASL	AMG	ASF	254.74 ASL · (ASF + 4·AMG) / 6
	24.62	21.57	23.09	13.22	13.30	

HEADSAILS												
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
0.15	0.96	1.74	3.17	4.63	6.15	19.90	62.98				Unknow	
0.14	1.01	1.71	3.15	4.62	6.13	19.90	62.78				Unknow	
0.09	0.93	1.68	3.11	4.61	6.16	19.90	62.32			28/06/2011	Unknow	
0.11	1.06	1.81	3.18	4.66	6.13	18.75	59.84				Unknow	
0.10	0.82	1.55	3.02	4.50	5.95	19.60	59.17				Unknow	
0.05	0.76	1.47	2.90	4.26	5.52	18.30	52.06				Unknow	
0.11	0.69	1.33	2.70	4.19	5.70	17.00	47.35				Unknow	

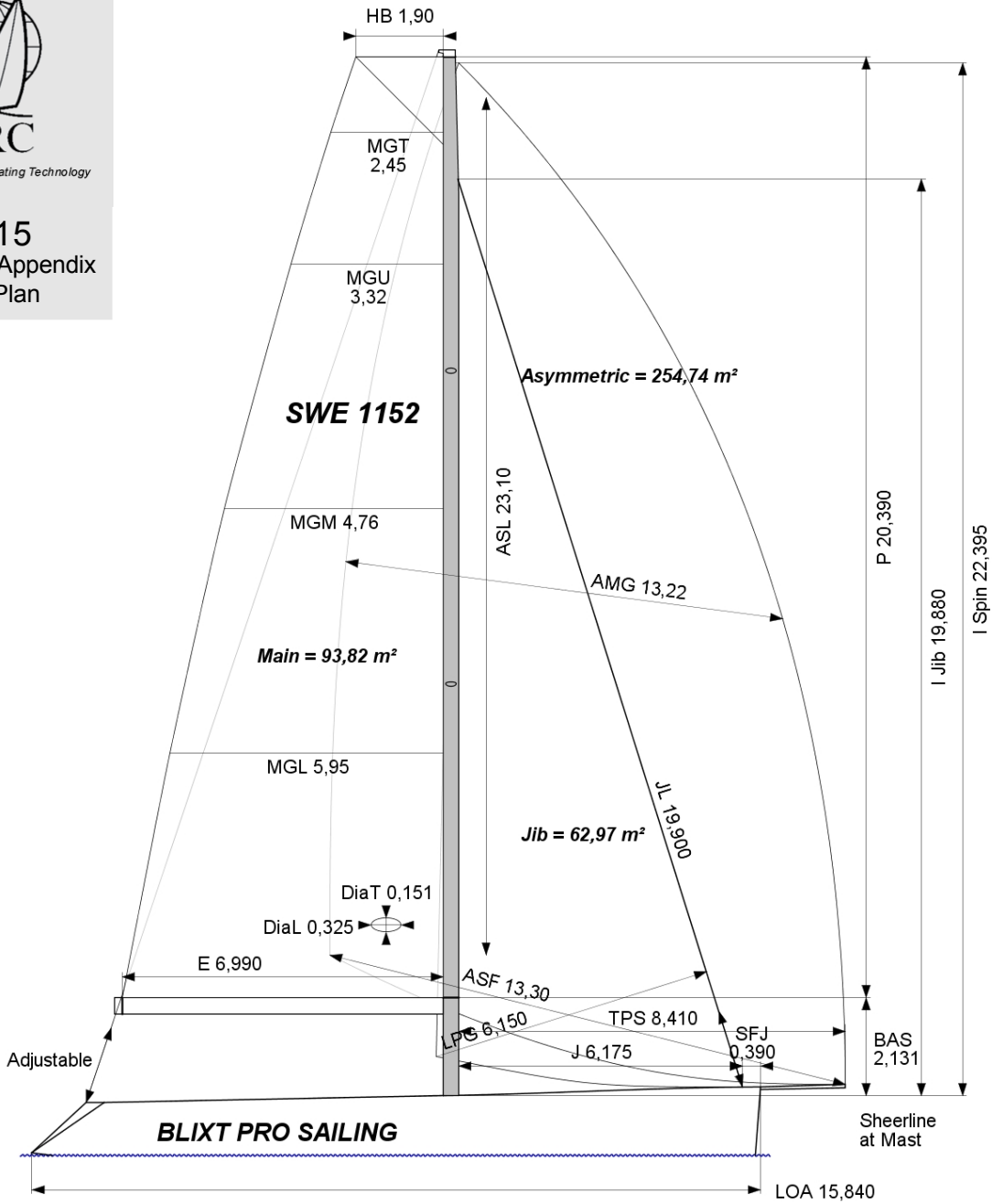
MEASUREMENT INVENTORY				
Measurer MIKAEL LINDQVIST 1129				
Date 28/06/2011				
Comment				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
A4	Anchor	7.0	6.60	
T4	Tools	8.0	7.40	
<i>Id</i>	<i>Item</i>	<i>Maker</i>	<i>Model</i>	
E1	Engine	YANMAR	4GJH3E	
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Description</i>	
D4	Deck-Gear	22.0		

MEASUREMENT INVENTORY						
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG Condtn Description</i>
F1	Tank	FUEL	ALU	100.0	11.30	0-0
W1	Tank	WATER	CARBON	70.0	7.30	0-0
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>		
N1	Ballast			NONE		
B1	Battery		9.30	1 X 75 Ah		
B2	Battery		9.30	2 X 120 Ah		



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Sail Plan



SAILS INVENTORY

MAINSAIL																
Id	HB	MGT	MGU	MGM	MGL	Area	Measur	Meas.Date	Manufacture	Material	Comment					
ms	1.900	2.45	3.32	4.76	5.95	93.77	1129	28/06/2011		Unknown						
HEADSAILS																
Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Btn	Fly	Measur	Meas.Date	Manufacture	Material	Comment
j1.5	0.15	0.96	1.74	3.17	4.63	6.15	19.90	100%	62.98						Unknown	
J1	0.14	1.01	1.71	3.15	4.62	6.13	19.90	99%	62.78						Unknown	
j2	0.09	0.93	1.68	3.11	4.61	6.16	19.90	100%	62.32			1129	28/06/2011		Unknown	
j3	0.11	1.06	1.81	3.18	4.66	6.13	18.75	99%	59.84						Unknown	
j0	0.10	0.82	1.55	3.02	4.50	5.95	19.60	96%	59.17						Unknown	
ss	0.05	0.76	1.47	2.90	4.26	5.52	18.30	89%	52.06						Unknown	
j4	0.11	0.69	1.33	2.70	4.19	5.70	17.00	92%	47.35						Unknown	
SYMMETRIC SPINNAKERS																
Id	SL	SMG	SF	Area	Measur	Meas.Date	Manufacture	Material	Comment							
ASYMMETRIC SPINNAKERS																
Id	SLU	SLE	ASL	AMG	ASF	Area	Kind	Measur	Meas.Date	Manufacture	Material	Comment				
a2	24.62	21.57	23.09	13.22	13.30	254.74	asym				Nylon					
a4	24.32	21.40	22.86	13.42	13.10	254.43	asym				Nylon					
a1	24.75	20.42	22.59	12.33	12.98	234.51	asym				Nylon					
a0	23.36	21.35	22.36	9.09	12.09	180.52	asym				Carbon					