

BOAT
Name GUILT Sail Nr PER25

GPH
623.2

HULL					
Length Overall	14.750 m				
Maximum Beam	4.486 m				
Displacement	13,212 kg				
Draft	2.117 m				
IMS Reg. Division	Cruiser/Racer				
Dynamic Allowance	1.240%				
Fwd Accommodation	Yes				
Hull Construction	Solid				
Carbon Rudder	No				
Crew Arm Extension					
IMS L	13.342	VCGD	0.155	VCGM	0.184
Sink	35.20 kg/mm	Wetted Area	45.29 m²		



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GENERAL
Class Sun Odyssey 49
Designer Philippe Briand
Builder Jeanneau
Series 01/2002
Age 02/2004
Age Allowance 0.585%
Offset File SO49_mk.OFF - 15/07/2008 05:44:40
Measurement by G Liza / L Yarlequ - 13/05/2010

SCORING OPTIONS	OFFSHORE			INSHORE		
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	623.2			688.6		
Time On Time	0.9627			0.9803		
Performance Line	PLT 0.734	PLD 31.7		PLT 0.681	PLD 98.5	
Triple Number	Low 0.9024	Medium 1.2400	High 1.4576	Low 0.6768	Medium 0.9672	High 1.1806

Rating Office

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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1166.4	938.2	814.5	743.9	701.7	675.3	649.5
52°	727.0	589.4	517.2	481.1	461.0	448.6	435.6
60°	659.8	539.5	484.9	454.2	435.4	425.4	414.1
75°	607.5	504.1	460.1	433.4	414.6	400.4	386.9
90°	611.7	506.7	462.0	431.7	412.0	400.7	376.4
110°	649.6	519.4	461.0	428.0	404.8	385.8	356.2
120°	674.4	537.7	471.9	435.9	411.8	392.5	359.8
135°	767.8	603.8	510.3	463.0	432.7	410.7	376.4
150°	921.7	710.8	590.3	512.6	466.9	437.1	397.2
Run VMG	1064.3	820.8	681.6	588.0	524.5	480.8	426.1

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Selected Courses							
Windward / Leeward	1133.4	893.0	758.2	674.7	620.7	584.8	543.5
Circular Random	890.3	705.3	602.9	541.2	501.7	475.1	441.2
Ocean for PCS	953.0	738.2	615.9	539.5	488.4	452.0	401.6
Non Spinnaker	935.3	737.1	626.5	559.1	515.6	486.2	449.8

Crew Weight
Declared 1,059 kg
Default* 1,059 kg
Non Manual Power No

Special Scoring	
ToD	ToT
Double Handed 622.8	0.9634
Non Spinnaker 648.1	0.9258
N/S Perf. Line 12.1	0.676

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	47.9°	46.4°	46.5°	44.8°	42.9°	41.8°	41.6°
Beat VMG	3.09	3.84	4.42	4.84	5.13	5.33	5.54
52°	4.95	6.11	6.96	7.48	7.81	8.03	8.26
60°	5.46	6.67	7.42	7.93	8.27	8.46	8.69
75°	5.93	7.14	7.82	8.31	8.68	8.99	9.31
90°	5.89	7.11	7.79	8.34	8.74	8.98	9.56
110°	5.54	6.93	7.81	8.41	8.89	9.33	10.11
120°	5.34	6.70	7.63	8.26	8.74	9.17	10.01
135°	4.69	5.96	7.05	7.78	8.32	8.76	9.56
150°	3.91	5.06	6.10	7.02	7.71	8.24	9.06
Run VMG	3.38	4.39	5.28	6.12	6.86	7.49	8.45
Gybe Angles	143.2°	146.4°	149.0°	154.7°	164.8°	172.2°	176.8°

Sails Limitations		
Genoa	Jibs	Spinnakers
3	2	3
Spinnaker configuration Symmetric		

Storm Sails Areas
Heavy Weather Jib 37.89
Storm Jib (JL=10.89) 14.03
Storm Triesail 15.13

Owner

Mario Alvarado
Blas Cerdeña 365
San Idisro
malvarado@gym.com.pe

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

Signature

BOAT	
Name GUILT	Sail Nr PER25
File PER25.dxt	Data in meters/kilograms

RIG				
Forestay Tension Aft	Spreaders 2			
Inner Forestay None Fitted	Runners 0			
Carbon Mast No	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 15.750	E 5.490	MDT1 0.140	TL 0.000	
IG 16.754	J 5.660	MDL1 0.262	MWT	
ISP 17.084	SFJ 0.000	MDT2 0.140	MCG	
SPS 5.974	SPL 5.577	MDL2 0.262	CPW 3.230	
BAS 2.014	TPS	MW 0.262	BD 0.223	
BAL 0.315	FSP 0.086	GO 0.262	BWT	

MIZZEN RIG AND SAILS	
N/A	

COMMENTS


INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 02/02/2010		SG 1.0260	
FFM 1.615	FF 1.615	SFFP 0.435	
FAM 1.230	FA 1.230	SAFP 13.757	
W1 151.00	PD1 392.5	WD 13.320	
W2 151.00	PD2 390.7	GSA 1.0	
W3 151.00	PD3 389.2	RSA 1.0	
W4 151.00	PD4 391.8	PLM 9000.0	
Maximum beam station from stem			8.820
RM Measured / Default			405.0 / 387.1
Limit of positive stability			108.5°
Stability Index			114.9
Freeboard at mast at 5.660			1.388

PROPELLER			
Installation Shaft	PRD 0.510		
Type Feathering 3 blades	PBW 0.153		
Twin Screw No	PIPA 0.0070		
PSA 20.000	PHL 0.132	ST3 0.120	ESL 1.135
PSD 0.035	ST1 0.020	ST4 0.062	
PHD 0.075	ST2 0.110	ST5 0.230	

WATER BALLAST	
N/A	

CENTERBOARD	
N/A	


SAILS (Maximum Areas)										
Mainsail	HB	MGT	MGU	MGM	MGL	MSW	Area	Area (r)	Formula	
	0.150	1.16	2.08	3.52	4.56	0.00	51.20	52.22	P/8 · (E + 2·MGL + 2·MGM + 1.5·MGU + MGT + 0.5·HB)	
Jib/Genoa	JH	JGT	JGU	JGM	JGL	JL	LPG			
	0.04	0.94	1.86	3.88	6.07	17.22	8.34	69.15	0.1125·JL·(1.445·LPG+2·JGL+2·JGM+1.5·JGU+JGT+0.5·JH)	
Symmetric	SL	SMG	SF							
	16.07	9.56	9.53				127.94		SL · (SF + 4·SMG) / 6	



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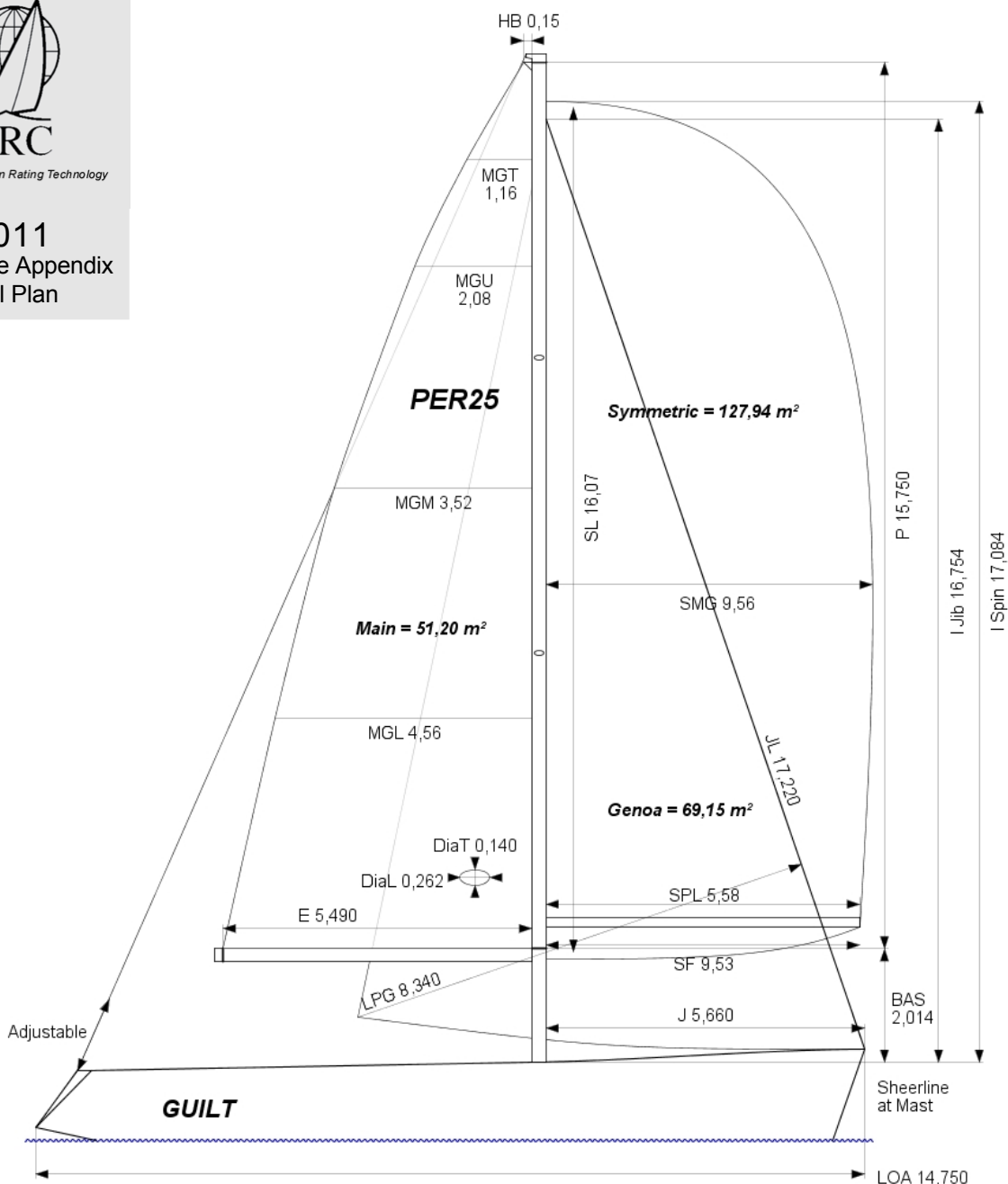


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Sail Plan



SAILS INVENTORY

MAINSAIL

Id	HB	MGT	MGU	MGM	MGL	MSW	Area	Measr	Meas.Date	Manufacture	Material	Comment
2	0.165	0.99	1.77	3.10	4.34		47.44	G.Liza/L.Yarlaque	13/05/2010		Dacron	
1	0.150	1.16	2.08	3.52	4.56	0.00	51.20	G.Liza/L.Yarlaque	13/05/2010		Kevlar	

JIBS / GENOAS

Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Measr	Meas.Date	Manufacture	Material	Comment
2	0.14	0.75	1.48	3.07	4.78	6.60	16.20	117%	51.53	G.Liza/L.	13/05/2010		Dacron	
1	0.04	0.94	1.86	3.88	6.07	8.34	17.22	147%	69.16	G.Liza/L.	13/05/2010		Kevlar	

SYMMETRIC SPINNAKERS

Id	SL	SMG	SF	Area	Measr	Meas.Date	Manufacture	Material	Comment
1	16.07	9.56	9.53	127.94	G.Liza/L.Yarlaque	13/05/2010			

ASYMMETRIC SPINNAKERS

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