

BOAT
Name PISCOPURO.COM Sail Nr PER-4077

GPH
599.1

HULL					
Length Overall	10.900 m				
Maximum Beam	3.610 m				
Displacement	3,821 kg				
Draft	2.247 m				
IMS Reg. Division	Performance				
Dynamic Allowance	0.000%				
Fwd Accommodation	No				
Hull Construction	Cored				
Carbon Rudder	No				
Trim Tab	No				
IMS L	9.938	VCGD	-0.003	VCGM	0.045
Sink	17.09 kg/mm	Wetted Area	22.28 m²		



2010
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Certificate

GENERAL
Class MUMM 36
Designer BRUCE FARR
Builder AST. DEL SUR
Series 09/1992
Age 09/1992
Age Allowance 0.975%
Offset File SANGREGO.OFF - 17/04/2003 04:14:44
Measurement by Palom bo/Carrion - 05/10/1994

SCORING OPTIONS						
	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
Time On Distance	599.1			669.6		
Time On Time	1.0016			1.0081		
Performance Line	PLT	PLD		PLT	PLD	
	0.882	104.6		1.140	357.5	
Triple Number	Low	Medium	High	Low	Medium	High
	0.9861	1.2695	1.4319	0.7520	1.0144	1.1716

Rating Office

Roberto Peschiera
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Asociación de Veleros
Oceánicos del Peru

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	963.6	799.1	729.2	691.5	670.3	667.3	671.9
52°	626.2	534.1	499.6	482.9	472.8	468.4	469.7
60°	591.0	511.4	479.8	465.2	455.8	449.9	447.2
75°	566.2	497.4	460.2	442.5	432.4	425.3	417.8
90°	572.1	492.5	452.4	436.7	415.9	405.2	392.7
110°	589.8	507.9	465.1	432.2	404.8	389.9	370.0
120°	628.3	531.1	480.9	447.4	417.4	386.1	348.6
135°	736.0	591.8	519.0	476.5	446.1	419.5	360.4
150°	887.6	695.4	585.8	520.9	480.1	450.7	400.7
Run VMG	1024.9	803.0	675.6	592.6	533.9	492.9	438.0

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VPP Ver. 2010 1.11
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Selected Courses							
Windward / Leeward	1013.4	815.9	712.3	650.0	610.2	586.8	558.7
Circular Random	823.7	666.0	581.5	532.1	501.4	481.1	455.3
Ocean for PCS	880.2	696.5	594.1	531.1	489.0	458.5	414.2
Non Spinnaker	870.3	699.0	605.9	550.9	516.4	493.5	464.5

Crew Weight	
Declared	550 kg
Default*	605 kg
Non Manual Power	No

Special Scoring		
	ToD	ToT
Double Handed	605.5	0.9909
Non Spinnaker	624.9	0.9601
N/S Perf. Line	79.5	0.806

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	43.8°	41.8°	39.4°	38.1°	37.6°	37.6°	38.2°
Beat VMG	3.74	4.51	4.94	5.21	5.37	5.39	5.36
52°	5.75	6.74	7.21	7.46	7.61	7.69	7.66
60°	6.09	7.04	7.50	7.74	7.90	8.00	8.05
75°	6.36	7.24	7.82	8.14	8.32	8.46	8.62
90°	6.29	7.31	7.96	8.24	8.66	8.88	9.17
110°	6.10	7.09	7.74	8.33	8.89	9.23	9.73
120°	5.73	6.78	7.49	8.05	8.62	9.33	10.33
135°	4.89	6.08	6.94	7.56	8.07	8.58	9.99
150°	4.06	5.18	6.15	6.91	7.50	7.99	8.99
Run VMG	3.51	4.48	5.33	6.08	6.74	7.30	8.22
Gybe Angles	141.8°	146.2°	152.4°	161.4°	167.7°	172.3°	173.9°

Sails Limitations		
Genoa	Jibs	Spinnakers
4	3	4
Spinnaker configuration Symmetric		

Storm Sails Areas	
Heavy Weather Jib	24.04
Storm Jib (JL=8.67)	8.90
Storm Trysail	11.97

Owner

Eduardo Wong
LIMA, PERU

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

Signature

BOAT	
Name PISCOPURO.COM	Sail Nr PER-4077
File PER4077.dxt	Data in meters/kilograms

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

P 13.650	E 5.010	MDT1 0.104	TL 1.895
IG 13.240	J 3.840	MDL1 0.162	MWT 128.00
ISP 13.361	SFJ 0.175	MDT2 0.089	MCG 4.300
SPS 4.183	SPL 3.840	MDL2 0.098	CPW 2.034
BAS 1.835	TPS 	MW 0.162	BD 0.153
BAL 0.165	FSP 0.064	GO 0.192	BWT

MIZZEN RIG AND SAILS	
N/A	

COMMENTS	
Ex San Gregorio YCA	


INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 13/08/2004		SG 1.0250	
FFM 1.163	FF 1.163	SFFP 0.414	
FAM 0.926	FA 0.926	SAFP 10.320	
W1 15.625	PD1 62.5	WD 10.940	
W2 31.250	PD2 125.0	GSA 38.0	
W3 46.875	PD3 187.5	RSA 7800.0	
W4 62.500	PD4 246.0	PLM 2020.0	
Maximum beam station from stern			7.150
RM Measured / Default			96.2 / 105.5
Limit of positive stability			113.1°
Stability Index			108.3
Freeboard at mast at 4.015			1.017

PROPELLER			
Installation Strut	PRD 0.385		
Type Folding	PBW 0.105		
Twin Screw No	PIPA 0.0034		
ST1 0.041	ST3 0.180	ST5 0.290	
ST2 0.180	ST4 0.113	EDL 0.850	

WATER BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS (Maximum Areas)										
Mainsail	HB	MGT	MGU	MGM	MGL	MSW	Area	Area (r)	Formula	
	0.170	1.08	1.93	2.80	4.30	14.00	39.70	40.45	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	0.70	1.39	2.79	4.18	13.89	5.57	38.67	0.1125·JL·(1.445·LPG+2·JGL+2·JGM+1.5·JGU+JGT+0.5·JH)	
Symmetric	SL	SMG	SF							
	13.15	6.92	6.91				75.81		SL · (SF + 4·SMG) / 6	




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IMS Measurement
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ORC Ref **PER00000326**
Issued On **03/07/2010**
VPP Ver. **2010 1.11**
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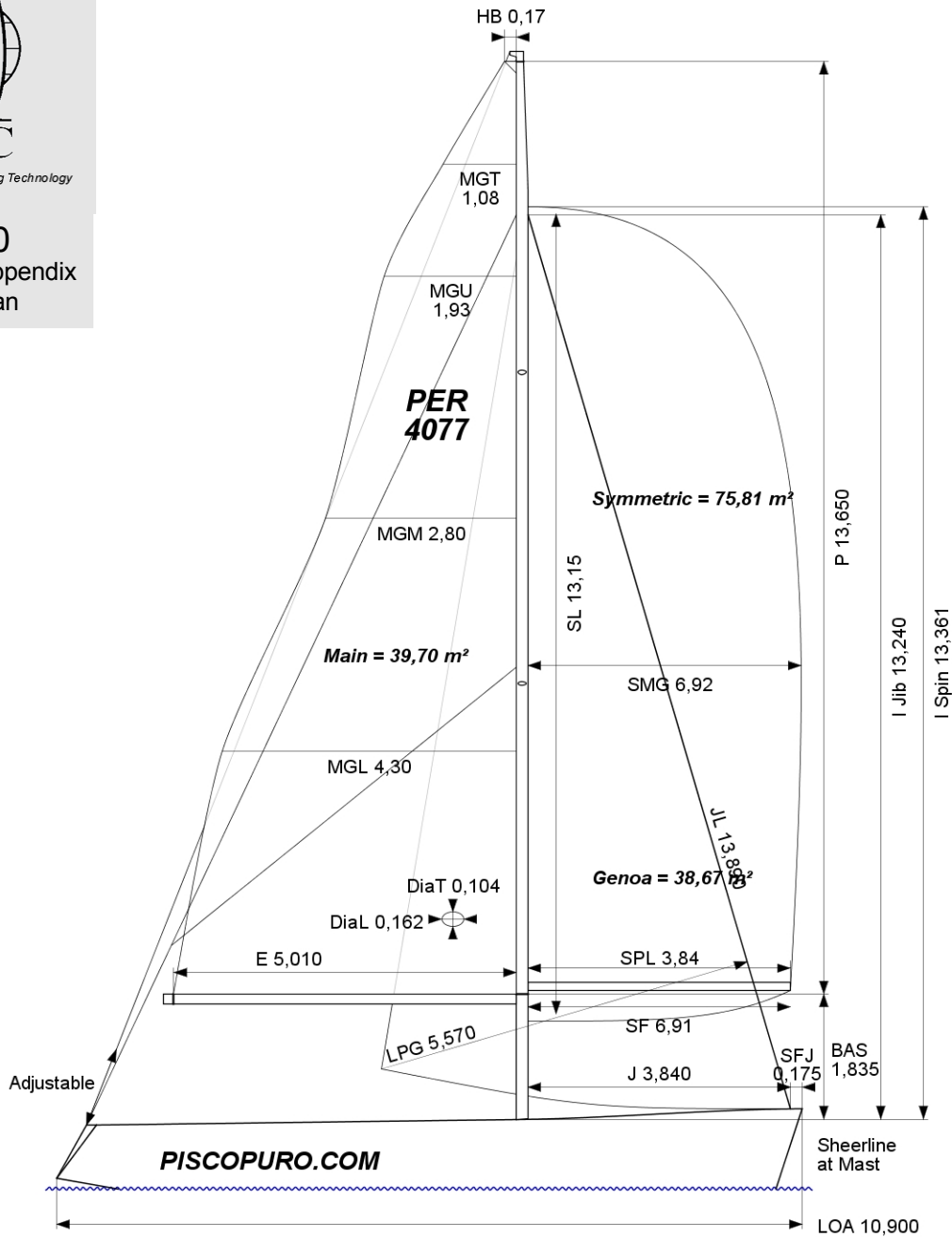


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Sail Plan



SAILS INVENTORY

MAINSAIL

Id	HB	MGT	MGU	MGM	MGL	MSW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC	0.170	1.08	1.93	2.80	4.30	14.00	39.70					* Copied from legacy

JIBS / GENOAS

Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Overlp	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC						5.57	0.00	145%	38.67					* Copied from

SYMMETRIC SPINNAKERS

Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC	13.15	6.92	0.00	75.81					* Copied from legacy *

ASYMMETRIC SPINNAKERS

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