

BOAT
Name PAPYRUS Sail Nr PER 612

GPH
621.5

HULL					
Length Overall	10.640 m				
Maximum Beam	3.450 m				
Displacement	5,700 kg				
Draft	2.229 m				
IMS Reg. Division	Cruiser/Racer				
Dynamic Allowance	0.286%				
Fwd Accommodation	Yes				
Hull Construction	Solid				
Carbon Rudder	Yes				
Trim Tab	No				
IMS L	9.792	VCGD	0.131	VCGM	0.115
Sink	19.29 kg/mm	Wetted Area	25.30 m²		



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GENERAL
Class First 36.7
Designer Farr
Builder Beneteau
Series 01/2001
Age 01/2001
Age Allowance 0.520%
Offset File f196b.off - 11/08/2003 09:56:30 a.m.
Measurement by Carrion - 12/08/2003

SCORING OPTIONS	OFFSHORE			INSHORE		
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	621.5			690.0		
Time On Time	0.9654			0.9782		
Performance Line	PLT	PLD		PLT	PLD	
	0.860	112.3		1.031	307.7	
Triple Number	Low	Medium	High	Low	Medium	High
	0.9452	1.2268	1.3809	0.7199	0.9914	1.1521

Rating Office
Federacion Peruana Vela
Rating Officer
Aguiles Rubina
rubina@terra.com.pe

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1049.0	855.2	755.5	713.8	689.0	673.8	661.5
52°	679.6	567.0	520.2	496.9	486.2	479.8	474.3
60°	633.5	545.2	503.3	479.7	470.6	464.8	459.1
75°	596.7	528.9	485.8	468.7	451.1	442.3	433.9
90°	585.2	512.4	474.8	453.6	444.6	437.3	414.0
110°	600.6	525.3	485.7	460.1	435.6	415.2	397.4
120°	645.4	544.2	498.2	470.1	447.0	423.6	381.7
135°	746.7	595.4	530.8	492.3	467.6	446.5	405.0
150°	894.4	704.4	587.6	531.0	494.4	470.1	430.1
Run VMG	1032.7	813.3	677.7	596.2	543.9	506.7	460.9

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VPP Ver. 1.11
Valid until 31/03/2010

Crew Weight
Declared 690 kg
Default* 679 kg

Special Scoring	
ToD	ToT
Double Handed 623.7	0.9620
Non Spinnaker 661.1	0.9076

Selected Courses							
Windward / Leeward	1059.8	846.6	729.1	663.5	623.6	596.8	567.1
Circular Random	857.0	691.6	602.9	551.4	519.5	498.4	471.3
Ocean for PCS	915.8	723.3	616.5	551.7	509.4	479.3	435.7
Non Spinnaker	930.6	742.7	640.1	579.5	541.8	517.2	487.1

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	43.7°	43.8°	39.9°	38.2°	37.2°	36.6°	36.3°
Beat VMG	3.43	4.21	4.77	5.04	5.22	5.34	5.44
52°	5.30	6.35	6.92	7.24	7.40	7.50	7.59
60°	5.68	6.60	7.15	7.50	7.65	7.75	7.84
75°	6.03	6.81	7.41	7.68	7.98	8.14	8.30
90°	6.15	7.03	7.58	7.94	8.10	8.23	8.70
110°	5.99	6.85	7.41	7.82	8.26	8.67	9.06
120°	5.58	6.62	7.23	7.66	8.05	8.50	9.43
135°	4.82	6.05	6.78	7.31	7.70	8.06	8.89
150°	4.03	5.11	6.13	6.78	7.28	7.66	8.37
Run VMG	3.49	4.43	5.31	6.04	6.62	7.11	7.81
Gybe Angles	142.4°	147.2°	151.7°	164.0°	169.6°	172.6°	175.0°

Storm Sails Areas
Heavy Weather Jib 27.25
Storm Jib (JL=9.23) 10.09
Storm Trysail 11.51

Owner
Alfonso Bringas
Romanet 271, San Isidro
Lima 27, Peru
abringas@qnet.com.pe

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

Signature

BOAT	
Name PAPYRUS	Sail Nr PER 612
File PAPYRUS.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	w/o Backstay No
P 13.850	E 4.750 MDT1 0.112 TL 1.070
IG 14.140	J 3.990 MDL1 0.201 MWT
ISP 14.190	SFJ 0.000 MDT2 0.104 MCG
SPS 3.620	SPL 3.990 MDL2 0.170 CPW 2.290
BAS 1.560	TPS 0.058 MW 0.201 BD 0.160
BAL 0.250	FSP 0.058 GO 0.220 BWT

HEAVY ITEMS			
Bow Thruster No	Generator No	Air Condition No	
Windlass No	Jib Furler No	Desalinator No	
Heavy Deck No	Main Furler No		
Headliners Yes	Water Heater Yes		
Anchor Weight 41.0	Heavy Items Adjustment 0.0048		
Anchor LCG 0.80	Total Gyradius Adjustment 0.0335		

MIZZEN RIG AND SAILS	
N/A	

COMMENTS
May or y genoa nuev a 30set09 Cambio timon. Flotacion 3xi09

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 02/12/2009		SG 1.0250
FFM 1.330	FF 1.330	SFFP 0.367
FAM 1.060	FA 1.060	SAFP 10.162
W1 20.250	PD1 63.0	WD 11.100
W2 40.500	PD2 126.0	GSA 38.0
W3 60.750	PD3 189.0	RSA 7800.0
W4 81.000	PD4 252.0	PLM 2130.0
Maximum beam station from stem		7.091
RM Measured / Default		132.3 / 138.1
Limit of positive stability		113.8°
Stability Index		116.0
Freeboard at mast at 3.990		1.187

PROPELLER		
Installation Strut Drive	PRD 0.410	
Type Folding	PBW 0.112	
Twin Screw No	PIPA 0.0029	
ST1 0.045	ST3 0.170	ST5 0.255
ST2 0.170	ST4 0.095	EDL 2.500

WATER BALLAST	
N/A	

CENTERBOARD
N/A

SAILS (Maximum Areas)								
Mainsail	HB	MGT	MGU	MGM	MGL	MSW	Area	Formula
	0.180	0.99	1.80	3.08	4.00	19.60	39.28	$P/8 \cdot (E + 2 \cdot MGL + 2 \cdot MGM + 1.5 \cdot MGU + MGT + 0.5 \cdot HB)$
Jib/Genoa	JH	JGT	JGU	JGM	JGL	JL	LPG	
	0.05	0.71	1.39	2.76	4.15	13.85	5.59	$0.1125 \cdot JL \cdot (1.445 \cdot LPG + 2 \cdot JGL + 2 \cdot JGM + 1.5 \cdot JGU + JGT + 0.5 \cdot JH)$
Symmetric	SL	SMG	SF					
	13.96	7.52	7.34				87.06	$SL \cdot (SF + 4 \cdot SMG) / 6$



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