

BOAT
Name ONE
Sail Nr PER-5007

GPH
645.2

HULL
Length Overall 8.270 m
Maximum Beam 2.736 m
Displacement 1,572 kg
Draft 1.775 m
IMS Reg. Division Sportboat
Dynamic Allowance -0.484%
Fwd Accommodation No
Hull Construction Cored
Carbon Rudder No
Trim Tab No
IMS L 7.692 VCGD 0.123 VCGM 0.109
Sink 9.81 kg/mm Wetted Area 12.66 m²



2010
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Certificate

GENERAL
Class CORUM 27
Designer J. SOTO
Builder AST. CORUM
Series 10/1995
Age 10/1995
Age Allowance 0.975%
Offset File ARG4949.OFF - 20/08/2005 12:37:10
Measurement by G Liza / L Yarlequ - 18/06/2010

SCORING OPTIONS						
	OFFSHORE			INSHORE		
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	645.2			720.7		
Time On Time	0.9299			0.9366		
Performance Line	PLT	PLD		PLT	PLD	
	0.822	105.0		1.071	365.0	
Triple Number	Low	Medium	High	Low	Medium	High
	0.9209	1.1744	1.3278	0.7080	0.9480	1.0859

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	1063.7	877.8	795.2	756.5	733.8	724.9	736.6
52°	693.5	596.2	549.2	531.4	520.5	514.0	516.1
60°	655.8	574.0	529.8	511.3	501.0	494.4	493.0
75°	630.7	552.4	517.3	486.4	472.4	463.7	454.7
90°	608.3	533.7	494.4	479.6	462.9	436.5	419.6
110°	623.2	547.7	503.3	464.5	436.2	420.9	402.0
120°	655.8	567.5	518.5	481.1	442.3	403.0	364.6
135°	757.0	619.5	553.3	511.4	477.2	442.7	355.1
150°	905.9	715.5	611.7	552.8	513.2	480.9	415.8
Run VMG	1046.0	826.1	701.1	619.8	564.1	524.6	463.8

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VPP Ver. 2010 1.11
Valid until 31/03/2011

Selected Courses							
Windward / Leeward	1075.5	867.6	759.4	696.8	657.0	631.9	605.9
Circular Random	882.5	715.9	626.8	574.5	541.3	518.7	489.6
Ocean for PCS	941.7	747.9	639.9	572.9	527.1	492.5	440.1
Non Spinnaker	951.9	764.4	662.6	602.4	564.3	538.8	506.2

Crew Weight
Declared 445 kg
Default* 384 kg
Non Manual Power Yes

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	43.1°	40.9°	38.8°	37.6°	36.7°	36.7°	37.5°
Beat VMG	3.38	4.10	4.53	4.76	4.91	4.97	4.89
52°	5.19	6.04	6.56	6.78	6.92	7.00	6.98
60°	5.49	6.27	6.79	7.04	7.19	7.28	7.30
75°	5.71	6.52	6.96	7.40	7.62	7.76	7.92
90°	5.92	6.75	7.28	7.51	7.78	8.25	8.58
110°	5.78	6.57	7.15	7.75	8.25	8.55	8.95
120°	5.49	6.34	6.94	7.48	8.14	8.93	9.88
135°	4.76	5.81	6.51	7.04	7.54	8.13	10.14
150°	3.97	5.03	5.89	6.51	7.01	7.49	8.66
Run VMG	3.44	4.36	5.13	5.81	6.38	6.86	7.76
Gybe Angles	143.2°	147.0°	156.9°	165.5°	171.3°	173.5°	171.9°

Special Scoring
ToD ToT
Double Handed 660.4 0.9085
Non Spinnaker 683.4 0.8780
N/S Perf. Line 78.1 0.737

Sails Limitations		
Genoas 0	Jibs 4	Spinnakers 3
Spinnaker configuration Symmetric		

Storm Sails Areas	
Heavy Weather Jib 14.66	
Storm Jib (JL=6.77) 5.43	
Storm Trysail 6.96	

Owner
Alejandro A Hughes
Carlos Graña 360
San Isidro, Lima 27
PERU
I certify that I understand my responsibilities under ORC Rules and Regulations
Signature

BOAT	
Name ONE	Sail Nr PER-5007
File PER5007.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 10.200	E 3.900	MDT1 0.076	TL 0.738
IG 10.337	J 3.035	MDL1 0.118	MWT 49.00
ISP 10.642	SFJ 0.105	MDT2 0.074	MCG 3.940
SPS 2.090	SPL 3.055	MDL2 0.082	CPW 2.200
BAS 1.182	TPS	MW 0.119	BD 0.190
BAL 0.150	FSP 0.005	GO 0.143	BWT 11.00

MIZZEN RIG AND SAILS	
N/A	

COMMENTS	
cambio peso tripulación	

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 16/06/2010		SG 1.0260
FFM 0.980	FF 0.980	SFFP 0.070
FAM 0.688	FA 0.688	SAFP 7.340
W1 20.000	PD1 583.7	WD 10.410
W2 20.000	PD2 583.7	GSA 1.0
W3 20.000	PD3 589.1	RSA 1.0
W4 20.000	PD4 589.1	PLM 9000.0
Maximum beam station from stern		5.659
RM Measured / Default		28.0 / 34.5
Limit of positive stability		105.5°
Stability Index		98.2
Freeboard at mast at 3.140		0.772

PROPELLER	
Type No Propeller	

WATER BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS (Maximum Areas)										
Mainsail	HB	MGT	MGU	MGM	MGL	MSW	Area	Area (r)	Formula	
	0.150	0.82	1.48	2.54	3.31	9.30	23.86	24.46	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	0.41	0.82	1.64	2.45	10.50	3.27	17.17	0.1125·JL·(1.445·LPG+2·JGL+2·JGM+1.5·JGU+JGT+0.5·JH)	
Symmetric	SL	SMG	SF							
	10.34	5.50	5.32				47.08		SL · (SF + 4·SMG) / 6	




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IMS Measurement
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VPP Ver. **2010 1.11**
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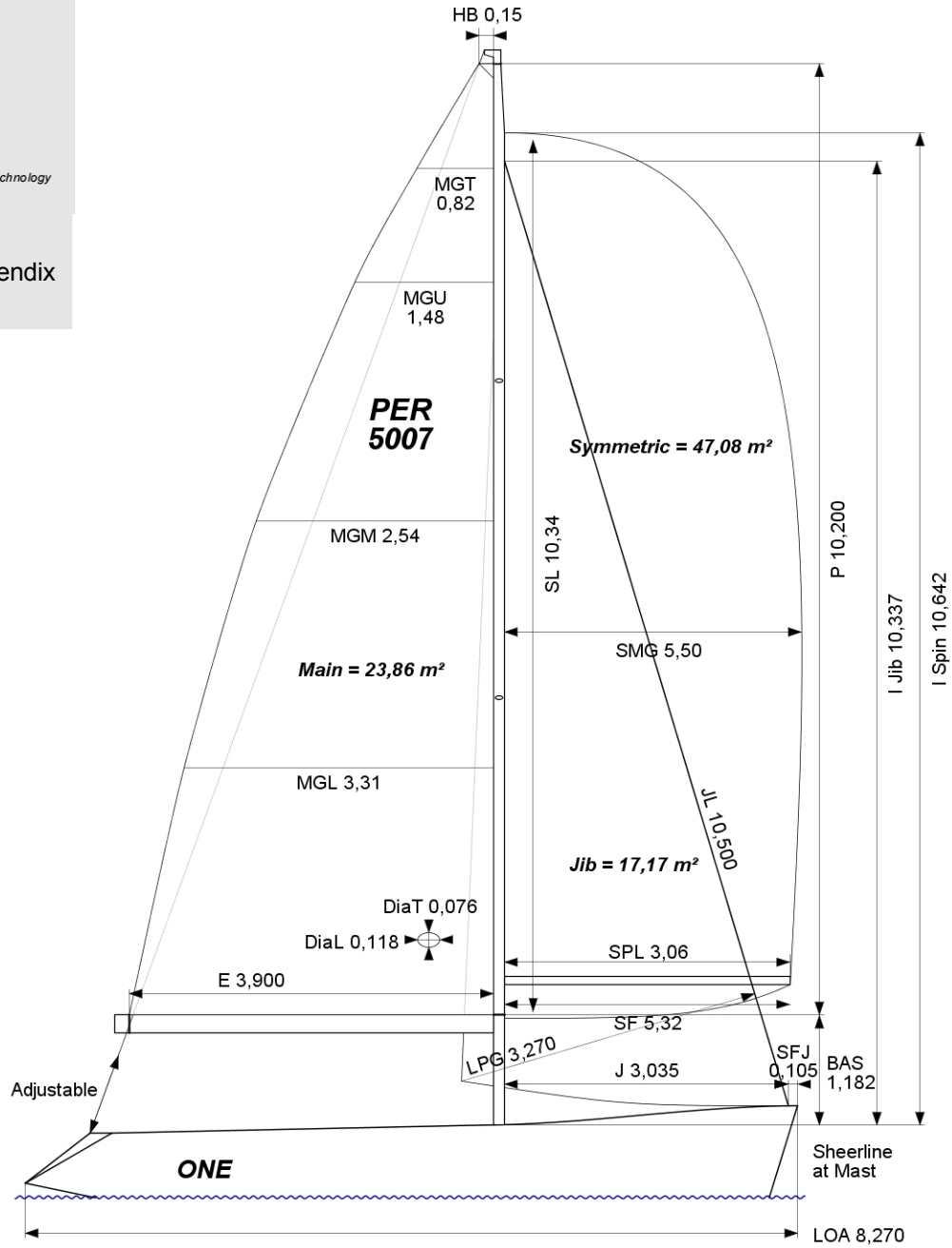


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Sail Plan



SAILS INVENTORY

MANSAIL

Id	HB	MGT	MGU	MGM	MGL	MSW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC	0.150	0.82	1.48	2.54	3.31	9.30	23.86					* Copied from legacy

JIBS / GENOAS

Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Overlp	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC						3.27	10.50	108%	17.17					* Copied from

SYMMETRIC SPINNAKERS

Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC	10.34	5.50	5.32	47.08					* Copied from legacy *

ASYMMETRIC SPINNAKERS

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