

BOAT
Name ONE
Sail Nr PER-5007

GPH
651,2

HULL
Length Overall 8,270 m
Maximum Beam 2,734 m
Displacement 1.633 kg
Draft 1,781 m
IMS Reg. Division Sportboat
Dynamic Allowance 0,086%
Fwd Accommodation No
Hull Construction Cored
Carbon Rudder No
Trim Tab No
IMS L 7,722 VCGD 0,155 VCGM 0,135
Sink 9,95 kg/mm Wetted Area 12,82 m²



2009
ORC International
Certificate

GENERAL
Class CORUM 27
Designer J. SOTO
Builder AST. CORUM
Series 10/1995
Age 10/1995
Age Allowance 0,910%
Offset File ARG4949.OFF - 23/05/2007 9:59:08
Measurement by Y. PALOMBO -

SCORING OPTIONS		
	OFFSHORE	INSHORE
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time On Distance	651,2	721,6
Time On Time	0,9214	0,9354
Performance Line	PLT 0,822 PLD 110,3	PLT 1,055 PLD 357,8
Triple Number	Low 0,9134 Medium 1,1636 High 1,3166	Low 0,7013 Medium 0,9426 High 1,0866

Rating Office
Federacion Peruana Vela
Bolognesi 761, Callao
5, Peru
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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1076,9	883,6	799,2	760,7	737,9	724,6	716,6
52°	700,5	600,3	552,4	536,4	527,0	521,2	517,2
60°	660,1	577,7	534,4	518,8	509,2	502,8	497,9
75°	634,2	554,9	523,5	494,3	480,8	472,5	464,0
90°	611,7	537,5	502,1	487,1	471,3	446,5	430,3
110°	626,4	550,6	511,1	471,8	445,0	429,5	402,6
120°	659,3	570,5	524,8	489,0	450,5	412,2	375,6
135°	764,9	622,8	556,2	518,4	484,9	451,4	365,3
150°	915,3	721,1	615,3	555,8	519,9	488,4	424,4
Run VMG	1056,9	832,6	705,1	623,8	567,3	530,2	471,4

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Number PERI21
ORC Ref PER00000003
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VPP Ver. 1.11
Valid until 30/03/2010

Selected Courses							
Windward / Leeward	1087,2	874,1	763,8	700,8	660,6	634,3	598,7
Circular Random	890,6	722,3	632,6	580,0	546,4	523,0	490,1
Ocean for PCS	950,8	754,8	646,1	579,2	533,6	499,3	446,6
Non Spinnaker	969,7	777,6	673,4	611,9	573,1	547,1	513,1

Crew Weight
Declared 409 kg
Default* 367 kg

Special Scoring
ToD ToT
Double Handed 661,3 0,9073
Non Spinnaker 694,7 0,8637

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	43,0°	41,0°	38,6°	37,3°	36,5°	36,1°	35,9°
Beat VMG	3,34	4,07	4,50	4,73	4,88	4,97	5,02
52°	5,14	6,00	6,52	6,71	6,83	6,91	6,96
60°	5,45	6,23	6,74	6,94	7,07	7,16	7,23
75°	5,68	6,49	6,88	7,28	7,49	7,62	7,76
90°	5,89	6,70	7,17	7,39	7,64	8,06	8,37
110°	5,75	6,54	7,04	7,63	8,09	8,38	8,94
120°	5,46	6,31	6,86	7,36	7,99	8,73	9,58
135°	4,71	5,78	6,47	6,94	7,42	7,98	9,85
150°	3,93	4,99	5,85	6,48	6,92	7,37	8,48
Run VMG	3,41	4,32	5,11	5,77	6,35	6,79	7,64
Gybe Angles	143,1°	146,2°	156,6°	165,7°	171,1°	174,8°	172,5°

Sails Limitations
Genoa 0 Jibs 4 Spinnakers 3
Spinnaker configuration Symmetric

Storm Sails Areas
Heavy Weather Jib 14,76
Storm Jib (JL=6,80) 5,47
Storm Trysail 6,94

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 ONEC27.dxt	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 02/05/2006		SG 1,0000
FFM 0,970	FF 0,976	SFFP 0,070
FAM 0,677	FA 0,680	SAFP 7,340
W1 25,000	PD1 266,0	WD 8,350
W2 25,000	PD2 266,0	GSA 28,0
W3 25,000	PD3 266,0	RSA 5806,0
W4 25,000	PD4 266,0	PLM 2020,0
Maximum beam station from stem		5,445
RM Measured / Default		27,6 / 35,0
Limit of positive stability		103,3°
Stability Index		96,1
Freeboard at mast at 3,130		0,767

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 10,200	E 3,890	MDT1 0,075	TL 0,900
IG 10,370	J 3,030	MDL1 0,120	MWT 49,00
ISP 10,410	SFJ 0,100	MDT2 0,073	MCG 3,940
SPS 2,080	SPL 3,050	MDL2 0,078	CPW 2,230
BAS 1,210	TPS 0,000	MW 0,120	BD 0,120
BAL 0,150	FSP 0,000	GO 0,145	BWT 11,00



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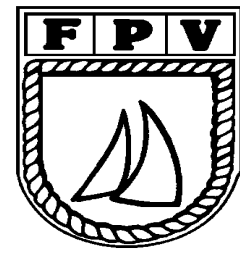
2009
IMS Measurement
Certificate

HEAVY ITEMS	
N/A	
Total Gy radius Adjustment 0,0264	

PROPELLER	
Type No Propeller	

Certificate

Number **PERI21**
ORC Ref **PER00000003**
Issued On **05/05/2009**
VPP Ver. **1.11**
Valid until **30/03/2010**



MIZZEN RIG AND SAILS	
N/A	

WATER BALLAST	
N/A	

COMMENTS	
N/A	

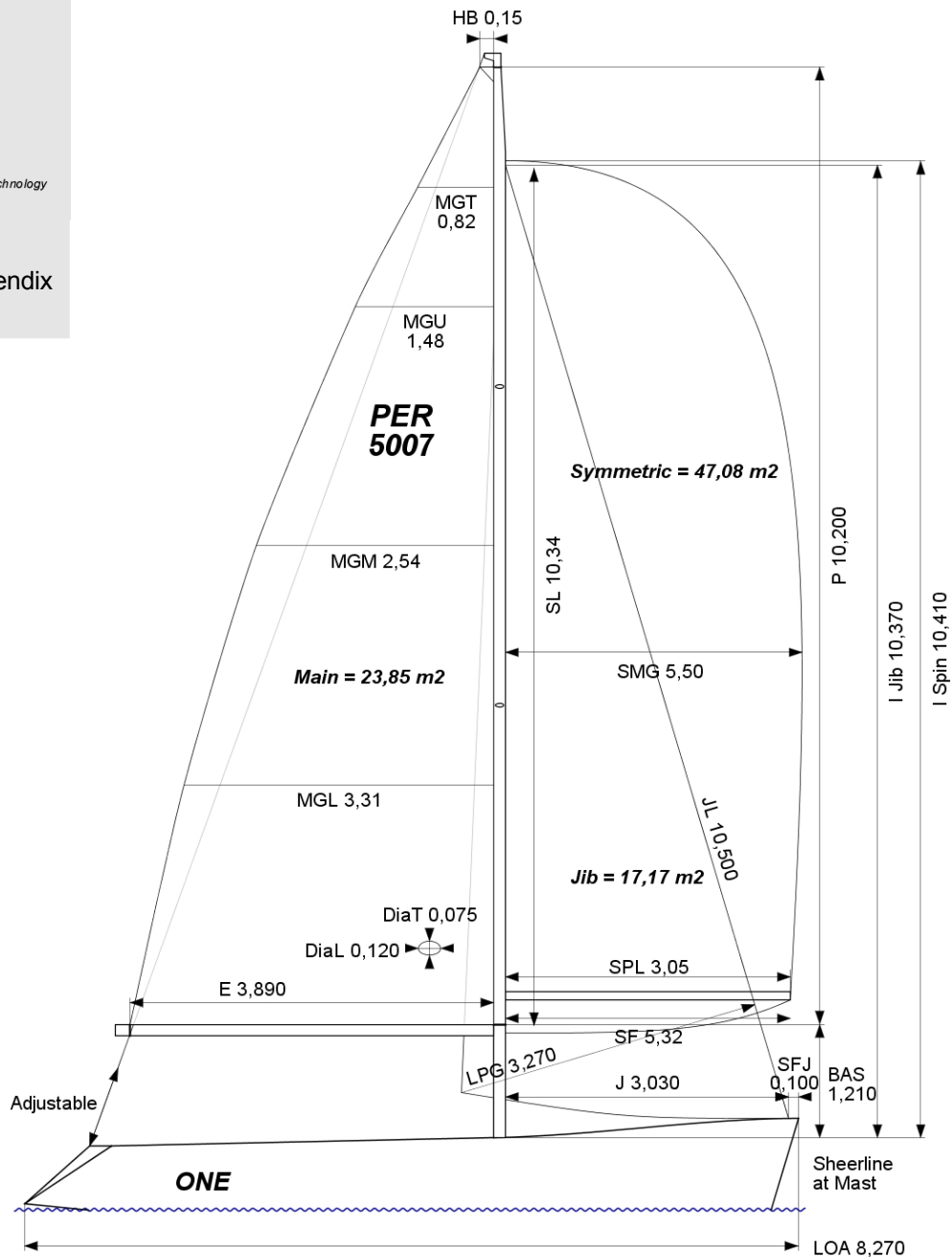
CENTERBOARD	
N/A	

SAILS (Maximum Areas)								
Mainsail	HB	MGT	MGU	MGM	MGL	MSW	Area	Formula
	0,150	0,82	1,48	2,54	3,31	9,30	23,85	$P/8 \cdot (E + 2 \cdot MGL + 2 \cdot MGM + 1.5 \cdot MGU + MGT + 0.5 \cdot HB)$
Jib/Genoa	JH	JGT	JGU	JGM	JGL	JL	LPG	
	0,00	0,41	0,82	1,64	2,45	10,50	3,27	$0.1125 \cdot JL \cdot (1.445 \cdot LPG + 2 \cdot JGL + 2 \cdot JGM + 1.5 \cdot JGU + JGT + 0.5 \cdot JH)$
Symmetric	SL	SMG	SF				Area	Formula
	10,34	5,50	5,32				47,08	$SL \cdot (SF + 4 \cdot SMG) / 6$



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2009
Certificate Appendix
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	23,85					* Copied from legacy		
JIBS / GENOAS														
Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	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		