

IMS RATING CERTIFICATE No. 500701
Based on: FULL MEASUREMENT (Metric)

IMS AMENDED TO JANUARY 2007
Offshore Racing Congress
Chelmsford, England
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IMS AMENDED TO JANUARY 2007 VPP: 09/JAN/07 19:37:43
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OFF Meas'd: 00/00/00 ARG4949.OFF 20/AUG/05 12:37:10

NOT VALID AFTER 30/12/07

GPH
658.5

YACHT DESCRIPTION
Name: ONE
Sail No: ARG-5007
Class: CORUM 27
LOA: 8.270m Beam(MB) 2.734m
Designer: J. SOTO
Builder: AST. CORUM
Rig: FRACTIONAL SLOOP 106% Jib
Keel/CB: FIXED KEEL
PropInst: OUTBOARD/NO PROP
FwdAccom: NO Spin: SYMMETRIC
HullCnst: HVMCORE RudCnst: STNDRD
Forestay: ADJST AFT BoomMtl: HEAVY
Spreadrs: 2 Sets InrFsty: NONE
Runners: NONE Jumpers: NONE
Dates: AGE:10/1995
COMMENTS

RATING OFFICE:
Issued: JAVIER MENDEZ MED. JEFE
09/JAN/07 YACHT CLUB ARGENTINO
Measured: Viamonte y Costanera Sur
00/000/00 1107 Buenos Aires, ARG

Revalidation Authority: YCAgentino
Measurer: Y. PALOMBO

"I CERTIFY THAT I UNDERSTAND MY
RESPONSIBILITIES UNDER THE IMS."

OWNER:.....
AGUSTIN EUJANIAN
SARMIENTO 3969, PISO 11
BS AS

CENTERBOARD AND DRAFT
ECM 0.000 CBRC 0.000 CBMC 0.000 CBTC 0.000
WCBA 0.0 CBDA 0.000 KCDA 0.000 ECE 0.000
WCBB 0.0 CBDB 0.000 ENDPLATE ADJ (KEDA) 0.000
PROPELLER AND INSTALLATION

PIPA 0.0000
FLOTATION DATA
FFPS 1.014 AFPS 0.687 SFFP 0.070 SAFP 7.340
FFM 0.970 FAM 0.677 FFPV 0.000 AFPV 0.000
FF 0.976 FA 0.680 SG 1.000

STABILITY DATA
W1 25.000 PD1 266.000 PLM 2020.000 PL 2010.305
W2 25.000 PD2 266.000 GSA 28.000 RSA 5806.0
W3 25.000 PD3 266.000 SMB 5.445 WD 8.350
W4 25.000 PD4 266.000 RM 27.6 RMC 27.6
RM2 29.1 RM20 26.2 RM40 20.8 RM60 12.6
RM90 3.0 WBV 0.0 CREW ARM (CRA) 1.353
CALCULATED LIMIT OF POSITIVE STABILITY: 103.3 DEGREES
RATIO STABILITY CURVE AREAS, POSITIVE/NEGATIVE 1.223

HYDROSTATICS MEASUREMENT TRIM SAILING TRIM
KEEL DRAFT (DHKO) 1.781 (DHKA) 1.828
2ND MOMENT LENGTH (LSM0) 7.303 (LSM1) 7.697
DISPLACEMENT (WEIGHT) (DSPM) 1633 (DSPS) 2127
WETTED SURFACE (WSM) 12.82 (WSS) 14.11
VCG FROM OFFSETS DATUM (For CLUB RM) (VCGD) 0.155
VCG FROM MEASUREMENT TRIM WATERLINE (VCGM) 0.135
INTEGRATED BEAM ATTENUATED WITH DEPTH (B) 2.054
MAXIMUM SECTION AREA (AMS1) 0.557
BEAM/DEPTH RATIO (BTR) 4.958
EFFECTIVE DRAFT (D) 1.622
2° HEEL (LSM2) 7.701 25° HEEL (LSM3) 7.774
SUNK (LSM4) 8.780 AVG LENGTH (L) 7.722
TRIM: 1mm/3.778m-kg SINK: 1mm/9.948kg

SAIL AREAS:
MAIN+FORE+MIZ'N: 39.61 MAIN: 23.77 MIZ'N: 0.00
GENOA: 16.89 SYM: 53.31 ASYM: 0.00

FORETRIANGLE MAIN & SPARS
J 3.030 FSP 0.000
IG 10.370 LPG 3.23 HB 0.150 TH NO
MW 0.120 LP 3.23 MGT 0.81 TL 0.900
GO 0.145 JL 10.46 MGU 1.48 MDT1 0.075
ISP 10.410 JGT 0.00 MGM 2.53 MDL1 0.120
IM 10.456 JGU 0.00 MGL 3.29 MDT2 0.073
HBI 0.726 JGM 0.00 MSW 9.6 MDL2 0.078
SFJ 0.100 JGL 0.00 P 10.200 MWT 49.0
SPL 3.050 TPS 0.000 E 3.890 MCG 3.940
SL 10.33 ASL EC 3.895 BD 0.120
SMW 5.49 AMG BAS 1.210 CPW 2.230
SF 5.34 ASF SPS 2.080 BAL 0.150

MIZZEN
IY 0.000 PY 0.000 HBY 0.000 TLY 0.000
EB 0.000 EY 0.000 MGY 0.000 MDT1Y 0.000
YSD 0.00 ECY 0.000 MGUY 0.000 MDL1Y 0.000
YSF 0.00 BASY 0.000 MGMY 0.000 MDT2Y 0.000
YSMG 0.00 BALY 0.000 MGLY 0.000 MDL2Y 0.000
HBIY 0.000 BDIY 0.000

O R C



SAIL LIMITATIONS
REGULATION 205

Genoas : 0
Jibs : 4
Spinnakers : 3

MAXIMUM STORM SAILS
AREAS FOR SPECIAL REGS

Heavy Weather Jib 14.8
Storm Jib JL=22.30 5.5
Storm Trysail 6.9

Default Crew Weight 367
Default Spinn.Luff 10.30
Default Spinn.Foot 5.49

HEAVY ITEMS

Bow Thruster NO
Anchor Windlass NO
Heavy Deck NO
Deck Int. Headliners NO
High SuperStructures NO
Electric Generator NO
Air C.+Diss.+Water H NO
Liferafts on Deck NO
Radar on Stern/*Mast NO
Jib Furler NO
*Main Furler NO

*(if not included in MWT)
** SPORTBOAT **



Y.C.A.

2007

LIMITS AND REGULATIONS
Limit of Positive Stability: MEETS REQ Measurement Inventory: 02/MAY/06
Minimum Displacem't 1610kg: MEETS REQ Accom Lgth: RACE= 8.3 C/R= 8.3
Maximum Crew Weight: 395 kg. Accom Certificate: RACE DA=0.10%
Stability Index: 96.1 Plan Approval: NONE FILED
C/R HeavyItems Pitch Adjustm't 0.00000 Anchor(s) Weight: 0 Dist: 0.00
Applied Age Allowance: 0.78%

NOTE TO OWNER: The range available to revise crew weight is 252- 441 kg.

TIME ALLOWANCES IN SEC/MI BY TRUE WIND VELOCITY & ANGLE
(NOT WIND-AVERAGED)

Wind Velocity:	6kt	8kt	10kt	12kt	14kt	16kt	20kt	CHECKSUM
BEAT ANGLES:	43.2°	41.1°	38.6°	37.5°	37.0°	36.8°	37.4°	(271.6)
BEAT VMG:	1067.8	885.0	823.0	790.9	772.7	763.5	762.5	(5865.4)
52°:	692.9	600.1	569.1	553.9	545.2	540.6	536.4	(4038.2)
R 60°:	654.2	577.3	547.0	534.3	526.7	521.9	516.4	(3877.8)
E 75°:	629.1	558.8	525.9	509.0	499.4	492.4	482.9	(3697.5)
A 90°:	607.9	538.9	515.0	501.3	478.0	466.6	452.4	(3560.1)
C 110°:	621.4	549.4	510.6	478.2	460.2	446.0	420.5	(3486.3)
H 120°:	652.8	568.1	523.6	487.8	453.8	426.9	395.7	(3508.7)
135°:	757.0	618.0	554.5	516.8	483.1	449.4	370.6	(3749.4)
150°:	908.5	713.9	611.2	554.2	518.4	486.7	422.3	(4215.2)
RUN VMG:	1049.1	824.3	700.1	620.3	565.7	528.9	469.7	(4758.1)
GYBE ANGLES:	142.4°	146.2°	156.9°	166.1°	171.7°	174.6°	172.2°	(1130.1)

NOTE: To convert any time allowance above to speed in knots: Kt = 3600/TA

TIME ALLOWANCES FOR SELECTED COURSES (AFTER WIND-AVERAGING)

Wnd/Lwd VMG	1079.5	873.1	772.2	714.4	677.1	653.2	621.2	(5390.7)
CircularRandom	890.2	726.1	640.2	590.9	560.1	538.9	508.7	(4455.1)
Ocean for PCS	1011.1	799.1	680.1	606.0	555.8	518.9	464.3	(4635.3)
Non-Spinnaker	967.8	779.4	678.8	620.3	584.1	560.1	528.7	(4719.2)

SIMPLIFIED SCORING OPTIONS

	Time-on-Distance		Time-on-Time		Performance Line		
	(sec/mi)		TMF		PLT	PLD	
OFFSHORE	658.5 (=GPH)		0.9112 (=600/GPH)		0.749	88.9 (Ocean)	
INSHORE	734.2 (=ILC)		0.9194 (=675/ILC)		1.177	458.7 (Olympic)	
Performance Line Corrected Time = (PLT x Elapsed Time)-(PLD x Distance)							
TRI-NUMBER TMFS BY WIND RANGE							
	WINDWARD		MEDIUM		HIGH		
/LEEWARD	Low	Medium	High	CIRCULAR	Low	Medium	High
	0.7057	0.9277	1.0536	RANDOM	0.9187	1.1449	1.2752

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