

IMS RATING CERTIFICATE No. 27555
Based on: FULL MEASUREMENT (ft/lbs)

US SAILING PRESCRIBED 2001
Offshore Racing Council
Southampton, England
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NOT VALID AFTER 12/2001

GPH
621.5

— YACHT DESCRIPTION —
Name: CHANTECLER
Sail No: USA-536
Class: J105
LOA: 34.68ft Beam(MB) 10.99ft
Designer: JOHNSTONE
Builder: TILLOTSON-PEARSON
Rig: FRACTIONAL SLOOP 102% Jib
Keel/CB: FIXED KEEL
PropInst: EXPOSED FOLDING
FwdAccom: YES SPIN: ASYM-CL
HullCnst: LIGHT RudCnst: STNDRD
Forestay: ADJST AFT BoomMtl: HEAVY
Spreadrs: 2 Sets InrFsty: NONE
Runners: NONE Jumpers: NONE
Dates: AGE:7/1998 SERIES : 7/1994
COMMENTS

RATING OFFICE: **INTRODUCTORY**
Issued: U.S. SAILING
01/NOV/01 **IMS CERTIFICATE**
Measured: 15 MARITIME DRIVE
16/SEP/00 **Valid for Racing Only at dis**
Revalidation Authority: HS SAILING
Measurer: WILLIAMS **of the Race Organiz**

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

OWNER:.....
Mr. Jaffar Bentchikou
5001 Elsmere Ave.
Bethesda, MD 20814-5728

LIMITS AND REGULATIONS

Limit of Positive Stability: MEETS REQ	Measurement Inventory: 14/SEP/00
Minimum Displacem't 6469lb: MEETS REQ	Accommodation Length: 34.68ft
Maximum Crew Weight: 1368 lbs	Accom Cert: US C/R DAA= 1.11%
Stability Index: 111.3	Plan Approval: NONE FILED
C/R HeavyItems Pitch Adjustm't 0.00000	Anchor(s) Weight: 0 Dist: 0.00
	Age Allowance: 0.35%

NOTE TO OWNER: The range available to revise crew weight is 889-1642 lb.

TIME ALLOWANCES IN SEC/MI BY TRUE WIND VELOCITY & ANGLE

Wind Velocity:	6kt	8kt	10kt	12kt	14kt	16kt	20kt	CHECKSUM
BEAT ANGLES:	44.0°	42.1°	40.6°	39.6°	38.9°	38.5°	38.3°	(282.0)
BEAT VMG:	1105.5	884.5	796.3	752.4	725.2	708.5	695.0	(5667.4)
52°:	708.7	589.9	537.2	513.5	500.6	492.4	484.6	(3826.9)
R 60°:	663.7	563.2	515.6	492.3	480.7	472.9	464.7	(3653.1)
E 75°:	624.3	530.0	499.3	473.6	456.2	445.9	434.8	(3464.1)
A 90°:	567.5	501.2	475.9	461.1	450.4	438.3	413.7	(3308.1)
C 110°:	567.3	495.7	461.1	439.2	425.1	413.2	394.1	(3195.7)
H 120°:	593.2	509.5	467.3	437.7	415.4	399.1	377.0	(3199.2)
135°:	679.8	559.8	499.0	462.2	432.7	407.7	369.1	(3410.3)
150°:	826.7	661.0	575.7	519.9	482.0	453.1	405.2	(3923.6)
RUN VMG:	954.6	763.3	664.8	600.2	550.8	512.3	456.1	(4502.1)
GYBE ANGLES:	138.2°	143.3°	145.5°	150.9°	158.1°	163.3°	167.3°	(1066.6)

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

TIME ALLOWANCES FOR SELECTED COURSES

Wnd/Lwd VMG	1113.9	889.2	767.4	695.4	649.6	618.3	577.2	(5311.0)
Ocean for PCS	979.1	765.8	645.1	569.9	519.4	483.0	431.3	(4393.6)
Non-Spinnaker	1026.5	809.3	689.2	617.0	571.0	540.2	501.7	(4754.9)

SIMPLIFIED SCORING OPTIONS

	Time-on-Distance (sec/mi)	Time-on-Time TMF	Performance Line PLT PLD
OFFSHORE	621.5 (=GPH)	0.9654 (=600/GPH)	0.743 58.7 (Ocean)
INSHORE	699.7 (=ILC)	0.9647 (=675/ILC)	0.868 221.8 (Olympic)
Performance Line Corrected Time = (PLT x Elapsed Time) - (PLD x Distance)			