

ORC
Offshore Racing Congress
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2020
ORC Club One
Design Certificate

Rating Office

Offshore
Racing
Congress



Certificate

Number **252291**
Issued On **01/10/2020**
ORC Ref **03190000R8R**
VPP Ver. **2020 1.00**
Valid until **31/12/2020**

Crew Weight

Default **387kg**
Maximum **400kg**
Minimum* **300kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	701.9	0.8548
Non Spin OSN	679.8	0.8827

Sails Limitations

Headsails **5** Spinnakers **4**

Spinnaker configuration

Symmetric: **Yes** **44.65**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pde: **Yes**

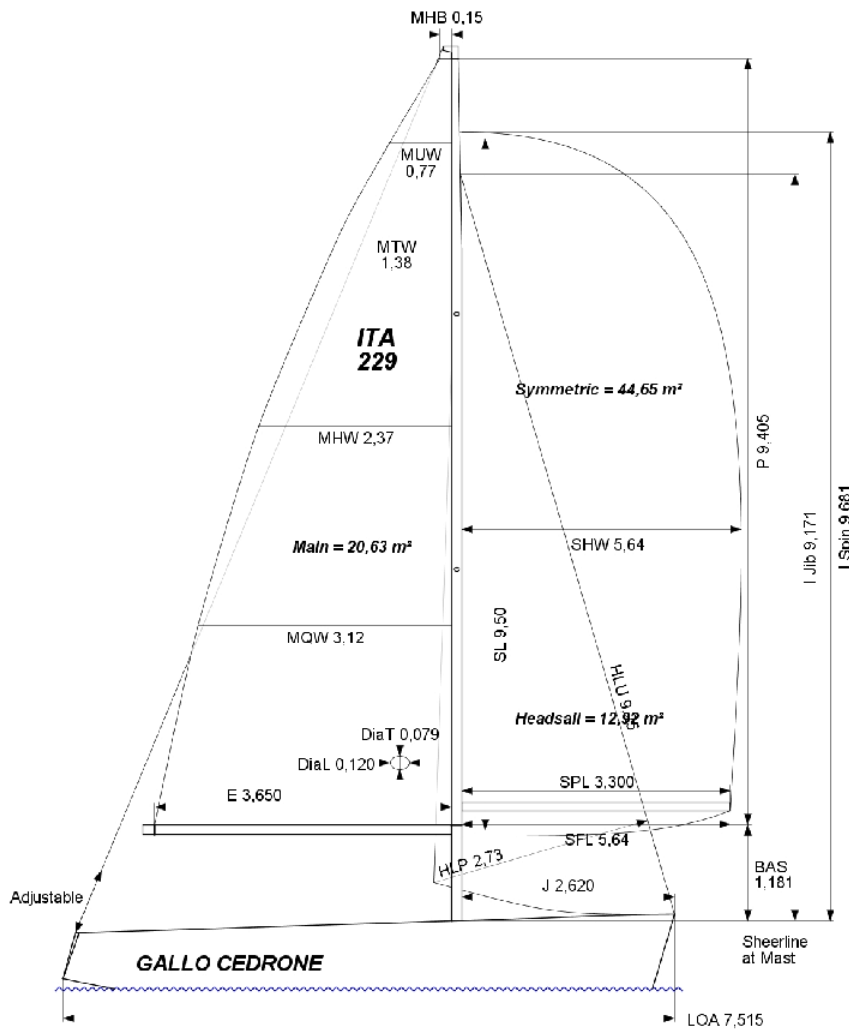
Class Division Length

CDL = **7.166**

Stability (Measured)

Limit Positive Stab.: **118.6°**
Stability Index: **110.7**

Owner



BOAT	GPH	HULL
Name GALLO CEDRONE Sail Nr ITA-229	659.8	Data File ITA229 LOA 7.515m Offset File PLATU25.OD MB 2.574m Displacement 1,232kg Draft 1.590m
CLASS Class PLATU 25 OD Designer FARR Builder BENETEAU Series 01/1997 Age Date Age Allowance 0.487%		IMS Division Sportboat Dynamic All. 0.000% Plan Review Construction Cored Fiber Rigging No Aramid Core No Crew Arm Ex 0.50 Carbon Rudder No Light Stanchions No
COMMENTS INTESTATARIO: NACCI LUCA RETRACTABLE OUTBOARD MOTOR		IMSL 7.004m VCGD 0.042m Sink 7.63kg/mm RL 7.347m VCGM -0.054m WS 10.45m² LSM0 6.673m Displacement/Length ratio 4.1462
PROPELLER Type No Propeller		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD N/A
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	642.1	718.6
Time on Time	0.9345	0.9393
Triple Number	Low Medium High	Low Medium High
Time on Distance	738.7 591.6 523.3	944.7 719.5 641.3
Time on Time	0.9138 1.1410 1.2900	0.7145 0.9381 1.0525

2020

ORC Club Certificate Appendix

BOAT	
Name	GALLO CEDRONE
Certificate Number	252291
Sail Nr	ITA-229
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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1075.0	892.5	804.0	779.0	772.3	768.7	767.2
52°	707.2	609.8	579.7	565.3	559.3	556.7	547.4
60°	670.2	593.7	566.6	547.1	537.5	532.6	520.3
75°	647.0	584.8	552.4	523.9	502.8	492.0	483.6
90°	647.3	575.0	542.9	516.6	486.6	460.5	435.1
110°	643.9	568.6	521.6	481.8	456.1	434.5	398.5
120°	661.4	577.4	530.1	482.3	439.2	409.1	366.1
135°	731.3	607.7	560.5	516.7	472.5	427.0	324.5
150°	872.8	696.0	601.9	557.7	517.3	477.3	385.6
Run VMG	1007.9	803.7	687.8	616.1	569.1	531.8	458.3
Selected Courses							
Windward / Leeward	1041.5	848.1	745.9	697.6	670.7	650.3	612.7
Circular Random	892.2	728.5	641.9	591.1	557.9	533.5	495.2
Coastal / Long Distance	1038.1	800.6	681.1	615.9	573.6	535.9	469.7
Non Spinnaker	966.0	780.5	681.2	623.3	586.6	560.9	523.0

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	42.0°	41.3°	37.9°	36.8°	36.4°	36.4°	37.1°
Beat VMG	3.35	4.03	4.48	4.62	4.66	4.68	4.69
52°	5.09	5.90	6.21	6.37	6.44	6.47	6.58
60°	5.37	6.06	6.35	6.58	6.70	6.76	6.92
75°	5.56	6.16	6.52	6.87	7.16	7.32	7.44
90°	5.56	6.26	6.63	6.97	7.40	7.82	8.27
110°	5.59	6.33	6.90	7.47	7.89	8.29	9.03
120°	5.44	6.24	6.79	7.46	8.20	8.80	9.83
135°	4.92	5.92	6.42	6.97	7.62	8.43	11.09
150°	4.12	5.17	5.98	6.46	6.96	7.54	9.34
Run VMG	3.57	4.48	5.23	5.84	6.33	6.77	7.86
Gybe Angles	145.0°	149.0°	155.8°	174.0°	180.0°	180.0°	180.0°