



ORC

Offshore Racing Congress
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**2020
ORC Club One
Design Certificate**

Rating Office

**Offshore
Racing
Congress**



Certificate

Number **12681**
Issued On **15/10/2020**
ORC Ref **03190000S25**
VPP Ver. **2020 1.00**
Valid until **31/12/2020**

Crew Weight

Default **347kg**
Maximum **340kg**
Minimum* **255kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	730.0	0.8219
Non Spin OSN	699.9	0.8572

Sails Limitations

Headsails **5** Spinnakers **4**
Woven Polyester
Asymmetric on centerline
Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 45.64**
Flying H/S: **No**
Spin. Pde: **No**

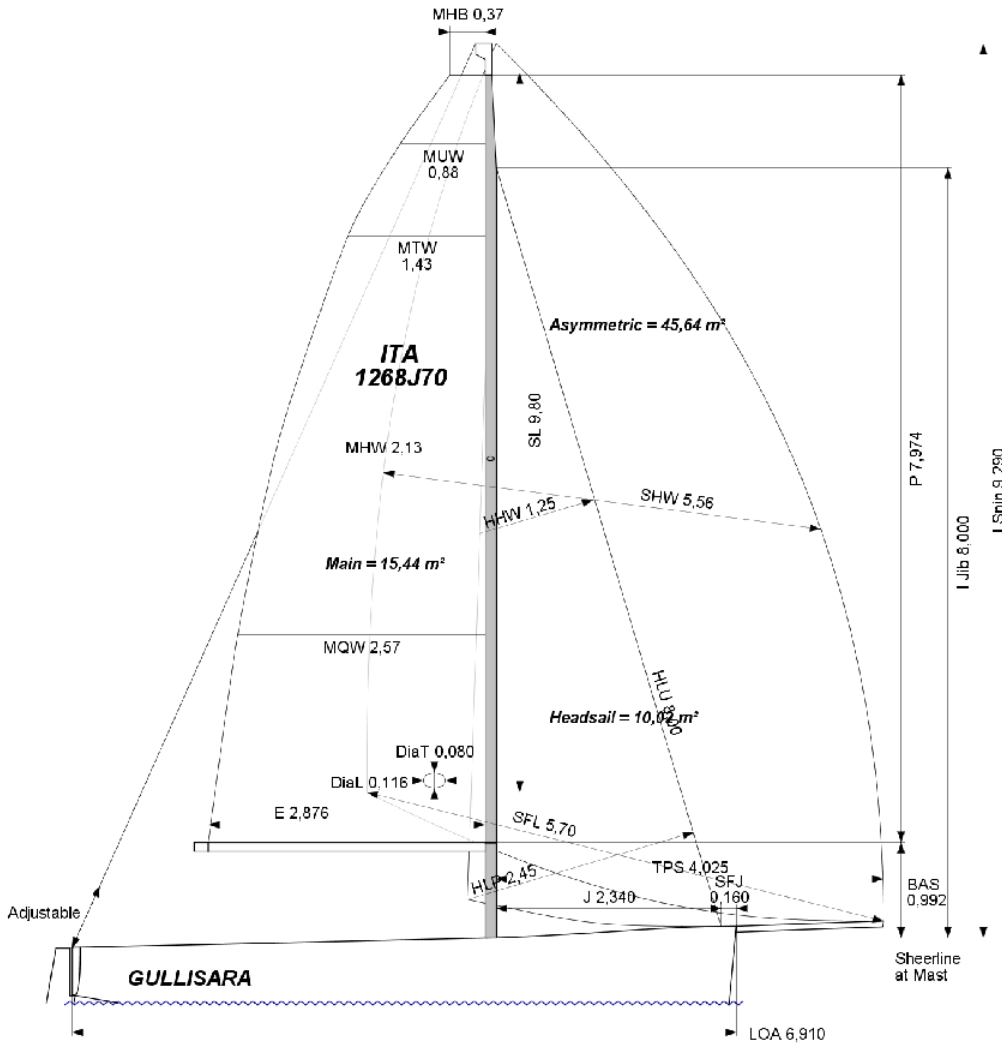
Class Division Length

CDL = **6.851**

Stability (Estimated)

Limit Positive Stab.: **112.9°**
Stability Index: **104.2**

Owner



BOAT	GPH	HULL
Name GULLISARA Sail Nr ITA-1268J70	670.9	Data File 1268J70 LOA 6.910m Offset File J70.OD MB 2.254m Displacement 811kg Draft 1.382m
CLASS Class J-70 ONE DESIGN Designer JOHNSTONE Builder J BOATS Series 02/2012 Age Date 02/2013 Age Allowance 0.260%		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: MOLFINO M. ROBERTO		IMSL 6.689m VCGD -0.184m Sink 7.58kg/mm RL 7.025m VCGM -0.194m WS 9.18m² LSM0 6.181m Displacement/Length ratio 3.4344
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	649.6	739.6
Time on Time	0.9236	0.9127
Triple Number	Low Medium High	Low Medium High
Time on Distance	770.4 597.9 507.4	992.4 747.3 636.0
Time on Time	0.8762 1.1289 1.3304	0.6802 0.9033 1.0614

2020

ORC Club Certificate Appendix

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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1184.9	971.9	866.0	796.7	778.8	777.2	785.4
52°	777.7	648.2	598.2	569.1	551.3	545.6	542.9
60°	728.1	620.8	581.6	549.4	523.3	514.2	510.5
75°	696.3	603.8	565.8	528.7	490.4	465.3	451.3
90°	657.4	576.2	530.3	507.3	480.4	443.0	394.2
110°	648.2	567.4	506.7	455.3	426.5	404.0	354.8
120°	666.8	577.6	518.3	457.2	404.9	373.0	321.3
135°	744.0	612.3	553.9	499.4	443.0	391.2	277.3
150°	875.6	694.2	607.2	560.9	513.5	460.3	331.6
Run VMG	1011.1	801.6	701.1	647.6	592.9	531.5	382.9
Selected Courses							
Windward / Leeward	1098.0	886.7	783.6	722.2	685.9	654.4	584.2
Circular Random	926.7	749.1	652.2	592.6	551.4	519.6	468.4
Coastal / Long Distance	1089.3	832.8	706.4	622.0	568.3	521.5	436.8
Non Spinnaker	1028.6	821.4	707.4	638.6	594.1	563.3	521.0

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	42.8°	42.0°	41.1°	38.1°	37.1°	37.5°	38.6°
Beat VMG	3.04	3.70	4.16	4.52	4.62	4.63	4.58
52°	4.63	5.55	6.02	6.33	6.53	6.60	6.63
60°	4.94	5.80	6.19	6.55	6.88	7.00	7.05
75°	5.17	5.96	6.36	6.81	7.34	7.74	7.98
90°	5.48	6.25	6.79	7.10	7.49	8.13	9.13
110°	5.55	6.34	7.10	7.91	8.44	8.91	10.15
120°	5.40	6.23	6.95	7.87	8.89	9.65	11.21
135°	4.84	5.88	6.50	7.21	8.13	9.20	12.98
150°	4.11	5.19	5.93	6.42	7.01	7.82	10.86
Run VMG	3.56	4.49	5.13	5.56	6.07	6.77	9.40
Gybe Angles	145.0°	148.0°	150.5°	148.0°	145.0°	143.5°	137.6°